# CONSTRUCTION NEWS

## *Some of the Week's Large Projects*

AMONG the announcements for the current week are the following:

### *Proposed Work*

Office and loft, New York, N. Y., A. E. Lefcourt plans three 23 story buildings, $7,000,000, $8,000,000 and $10,000,000, respectively.

Office, New York, N. Y., M. Greenstein plans building, $15,000,000.

Paving, Chicago, Ill., Cook Co. plans 192 mi. paving, $5,000,000.

Irrigation work, Eagle Pass, Tex., Maverick Co. Water Impvt. Dist. plans irrigation work, $3,000,000.

Office, Chicago, Ill., Illinois Society of Architects plans office building, $3,000,000.

Park extension, San Francisco, Calif. plans park extension, $3,000,000.

Theater, store and office, San Jose, Calif., J. A. Kidward having preliminary plans prepared, $2,500,000.

Auditorium, Worcester, Mass., city plans building, $2,500,000.

Office, Philadelphia, Pa., Philadelphia Electric Co having plans prepared, $2,000,000.

Road Improvement, Newton, Ia., Jasper Co. plans bond election, $1,500,000.

Club, San Francisco, Calif., Olympic Club having plans prepared, $1,500,000.

Hospital, Indianapolis, Ind., Indiana Christian Hospital had plans prepared, $1,500,000.

### *Bids Wanted*

Subway, Toronto, Ont., April 21, J. R. W. Ambrose, ch. engr. Toronto Terminals Ry. Co., $2,500,000.

Hospital, Iowa City, Ia., May 25 by W. H. Genmill, Secy. State Bd. Educ., $2,000,000.

School, Philadelphia, Pa., Apr. 20, J. T. Windrim, archt. for University of Pennsylvania, $1,500,000.

Hotel, Cedar Rapids, Iowa, N. B. Beidler, archt., $1,250,000.

City Hall, Columbus, O., May 18, W. H. Duffy, dir. Pub. Service, $1,000,000.

Apartment, Buffalo, N. Y., Carr & Andrews soon takes bids, $1,000,000.

Office, Chicago, Ill., Hyland & Corse, takes bids about May 1, $1,000,000.

### *Contracts*

High School, Chicago, Ill., Bd. Educ., J. E. Byres, bus. mgr. to Paschen Bros., $4,000,000.

Apartment, Chicago, Ill., M. Callner will build. Work done by separate contract, $3,250,000.

Hotel, Albany, N. Y., Equitable Life Assurance Society to E. F. Carlson Co., $2,000,000.

Garage and store, Boston, Mass., Motor Mart Garage to Chase & Gilbert, $2,000,000.

Wharves and piers, Galveston, Tex., Galveston Wharf Co. by day labor, $1,500,000.

# *Classified Index of Bids Wanted*

### Waterworks

| *Bids close* | | *See Eng. News-Record* |
|---|---|---|
| Apr. 19 | Ebensburg, Pa. | Apr. 1 |
| Apr. 19 | St. Lambert, Que. | Apr. 1 |
| Apr. 20 | Key West, Fla. | Apr. 8 |
| Apr. 20 | Saltsburg, Pa. | Apr. 8 |
| Apr. 20 | McCormick, N. C. | Apr. 15 |
| Apr. 20 | Cincinnati, O. | Apr. 15 |
| Apr. 20 | Newton (Ind. br. Boston), Mass. | Apr. 15 |
| Apr. 20 | Phila., Pa. | Apr. 15 |
| Apr. 21 | Agurs, La. | Apr. 15 |
| Apr. 22 | Kingston, N. Y. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 22 | Haledon (mail Paterson), N. J. Adv. Apr. 15. | Apr. 15 |
| Apr. 24 | Falmouth, Mass. Adv. Apr. 15. | Apr. 15 |
| Apr. 26 | Huntingdon, Pa. Adv. Apr. 15. | Apr. 15 |
| Apr. 26 | Norwalk, Conn. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 28 | Bath, N. Y. | Apr. 1 |
| Apr. 29 | Nyack, N. Y. | Apr. 8 |
| Apr. 30 | Hawthorne (Ind. br. Paterson), N. J. | Apr. 15 |
| Apr. 30 | New Market, Va. | Mar. 25 |
| May 11 | Perry, N. Y. | Apr. 15 |

### Sewers

| | | |
|---|---|---|
| Apr. 16 | St. George, N. Y. | Apr. 15 |
| Apr. 19 | Okemah, Okla. | Apr. 8 |
| Apr. 19 | Hasbrouck Heights (Ind. br. Hackensack), N. J. | Apr. 1 |
| Apr. 20 | Corsicana, Tex. | Apr. 8 |
| Apr. 20 | Lakeland, Fla. | Apr. 1 |
| Apr. 20 | Muskegon, Mich. | Apr. 8 |
| Apr. 20 | Cincinnati, O. | Apr. 15 |
| Apr. 20 | Toronto, Ont. | Apr. 15 |
| Apr. 21 | Long Island City, N. Y. | Apr. 15 |
| Apr. 21 | Brooklyn, N. Y. | Apr. 15 |
| Apr. 21 | Cleveland, O. | Apr. 15 |
| Apr. 21 | Baltimore, Md. | Apr. 15 |
| Apr. 21 | Boston, Mass. | Apr. 15 |
| Apr. 21 | Phila., Pa. | Apr. 15 |
| Apr. 21 | San Francisco, Calif. | Apr. 8 |
| Apr. 21 | Antigo, Wis. | Mar. 25 |
| Apr. 21 | Grand Rapids, Mich. | Apr. 1 |
| Apr. 22 | Boston, Mass. | Apr. 15 |
| Apr. 23 | Oil City, Pa. | Apr. 15 |
| Apr. 29 | North Chattanooga (br. Chattanooga), Tenn. | Apr. 1 |
| May 3 | South Portland, Me. Adv. Apr. 8 and 15. | Apr. 8 |
| May 3 | Kingston, Pa. Adv. Apr. 15. | Apr. 15 |
| May 6 | Bloomington, Ill. | Apr. 8 |
| Apr. 16 | Cincinnati, O. | Mar. 25 |
| Apr. 16 | Ohio | Apr. 8 |
| Apr. 19 | Seneca, Kan. | Apr. 8 |
| Apr. 20 | Amherst, Mass. | Apr. 8 |

### Bridges

| *Bids close* | | *See Eng. News-Record* |
|---|---|---|
| Apr. 21 | Eldorado, Kan. | Apr. 1 |
| Apr. 21 | Maine | Apr. 15 |
| Apr. 22 | North Dakota | Mar. 18 |
| Apr. 23 | Wisconsin | Apr. 15 |
| Apr. 26 | California | Apr. 8 |
| Apr. 27 | South Dakota | Apr. 15 |
| Apr. 28 | Rhode Island | Apr. 15 |
| Apr. 29 | Louisiana | Apr. 8 |
| Apr. 30 | Olathe, Kan. | Apr. 8 |
| Apr. 30 | Duluth, Minn. | Mar. 25 |
| May 1 | Val Morin, Que. | Apr. 8 |
| May 3 | Morgantown, W. Va. Adv. Apr. 8 and 15. | Apr. 8 |
| May 4 | Maine | Apr. 8 |
| May 7 | Dayton, O. | Apr. 15 |
| May 10 | Jacksonville, Fla. Adv. Apr. 15. | Apr. 15 |
| May 11 | Louisiana | Apr. 15 |
| May 15 | Anderson, Ind. | Apr. 8 |
| May 19 | Minneapolis, Minn. Adv. Apr. 8 and 15. | Apr. 8 |

### Dams

| | | |
|---|---|---|
| Apr. 16 | Livonia, N. Y. | Mar. 25 |
| Apr. 29 | Norwich, Conn. Adv. Apr. 15. | Apr. 15 |

### Excavation, Drainage, Irrigation, Levees, River and Harbor

| | | |
|---|---|---|
| Apr. 19 | Cape Girardeau, Mo. | Apr. 8 |
| Apr. 20 | Milwaukee, Wis. | Apr. 15 |
| Apr. 23 | Albany, N. Y. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 27 | New York Adv. Apr. 1 to 15. | Apr. 1 |
| Apr. 29 | Fire Island (mail Babylon), N. Y. Adv. Apr. 15. | Apr. 15 |

### Streets and Roads

| | | |
|---|---|---|
| Apr. 16 | New York, N. Y. | Apr. 15 |
| Apr. 17 | Mt. Clemens, Mich. | Apr. 15 |
| Apr. 17 | Oconomowoc, Wis. | Apr. 1 |
| Apr. 17 | Burlington, Wis. | Apr. 8 |
| Apr. 19 | Minneapolis, Minn. | Apr. 1 |
| Apr. 19 | Hannibal, Mo. | Apr. 8 |
| Apr. 19 | Dunbar, W. Va. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 19 | Hastings, Minn. | Apr. 8 |
| Apr. 19 | Ionia, Mich. | Apr. 15 |
| Apr. 19 | New York, N. Y. | Apr. 15 |
| Apr. 19 | Westmont, Pa. | Apr. 15 |
| Apr. 19 | Arizona | Apr. 15 |
| Apr. 19 | Peoria, Ill. | Apr. 15 |
| Apr. 19 | Kewanee, Ill. | Apr. 15 |
| Apr. 20 | Hartford, Conn. | Apr. 15 |
| Apr. 20 | Roxbury (Boston P. O.), Mass. | Apr. 15 |
| Apr. 20 | St. George, N. Y. | Apr. 15 |
| Apr. 20 | Omaha, Neb. | Apr. 15 |
| Apr. 20 | Grand Rapids, Mich. | Apr. 15 |
| Apr. 20 | Massachusetts | Apr. 15 |
| Apr. 20 | Sibley, Ia. | Apr. 15 |
| Apr. 20 | Storm Lake, Ia. | Apr. 15 |
| Apr. 20 | Sioux City, Ia. | Apr. 15 |
| Apr. 20 | Walthall, Miss. | Apr. 15 |
| Apr. 20 | Massachusetts | Apr. 8 |
| Apr. 20 | Minnesota | Apr. 8 |
| Apr. 20 | North Dakota | Apr. 8 |
| Apr. 20 | Maryland Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 20 | West Virginia | Apr. 1 |
| Apr. 20 | Pennsylvania | Apr. 1 |
| Apr. 20 | Birmingham, Ala. | Mar. 11 |
| Apr. 20 | New York Adv. Apr. 1 to 15. | Apr. 1 |
| Apr. 20 | Vermont | Apr. 15 |
| Apr. 20 | New Port Richey, Fla. | Apr. 15 |
| Apr. 21 | Freehold, N. J. Adv. Apr. 1 to 15. | Apr. 1 |
| Apr. 21 | Greensburg, Pa. | Apr. 8 |
| Apr. 21 | North Dakota | Apr. 8 |
| Apr. 21 | Cleveland, O. | Apr. 15 |
| Apr. 21 | Rhode Island Adv. Apr. 15. | Apr. 15 |
| Apr. 21 | Nevada | Apr. 15 |
| Apr. 21 | Baltimore, Md. | Apr. 15 |
| Apr. 21 | Boone, Ia. | Apr. 15 |
| Apr. 21 | Wisconsin | Apr. 15 |
| Apr. 22 | Kansas City, Mo. | Apr. 15 |
| Apr. 22 | Algona, Ia. | Apr. 15 |
| Apr. 22 | Flora, Ill. | Apr. 15 |
| Apr. 22 | Dallas, Tex. | Apr. 15 |
| Apr. 22 | Hillsdale, Mich. | Apr. 15 |
| Apr. 22 | North Dakota | Apr. 8 |
| Apr. 23 | North Dakota | Apr. 8 |
| Apr. 23 | Cameron, Tex. | Apr. 15 |
| Apr. 23 | Chehalis, Wash. | Apr. 15 |
| Apr. 24 | Lewisville, O. | Apr. 15 |
| Apr. 26 | California | Apr. 15 |
| Apr. 26 | California | Apr. 8 |
| Apr. 26 | Indianapolis, Ind. | Apr. 8 |
| Apr. 26 | Olympia, Wash. | Apr. 8 |
| Apr. 26 | San Carlos, Calif. | Apr. 15 |
| Apr. 26 | Lawrenceville, Ill. | Apr. 15 |
| Apr. 26 | Arizona | Apr. 15 |
| Apr. 26 | Seattle, Wash. | Apr. 15 |
| Apr. 27 | Newton, N. J. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 27 | Hondo, Tex. | Apr. 8 |
| Apr. 27 | Louisiana | Apr. 8 |
| Apr. 27 | South Dakota | Apr. 15 |
| Apr. 27 | Hondo, Tex. | Apr. 15 |
| Apr. 27 | North Dakota | Apr. 15 |
| Apr. 27 | Washington | Apr. 15 |
| Apr. 27 | Duluth, Minn. | Apr. 15 |
| Apr. 28 | North Dakota | Apr. 15 |
| Apr. 28 | Delaware Adv. Apr. 15. | Apr. 15 |
| Apr. 28 | Florida | Apr. 8 |

***See proposal advertising on page 128, Advertising Section***

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

*Laying 20-in. c.i. bell and spigot water main across Schuylkill River with LEADITE joints.*

# Speed— Pipe Laying

Thousands of miles of cast iron water mains have been laid with LEADITE by large cities, towns, villages, railroads, mines, and industrial plants.

These pipe lines are laid under paved streets, under and over bridges, under railroad tracks, across streams, thru open country, in filter galleries—high and low pressures—under all conditions of water works construction.

This is the way some LEADITE users lay pipe:

1710 ft. 6 in. pipe laid in one day.
1665 ft. 6 in. pipe laid in 7½ hrs. with 6 men.
91 lengths 20 in. pipe laid in one day.
15 to 19 lengths 48 in. pipe laid in one day—laid one length in 7 minutes.
3860 ft. 6 in. and 8 in. pipe laid in 9 hrs. with 2 gangs.

You can do this.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking Material for c.i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

# NO CAULKING

| Bids close | | See Eng. News-Record |
|---|---|---|
| Apr. 28 | Uvalde, Tex. | Apr. 8 |
| Apr. 28 | Dickinson, N. D. | Apr. 8 |
| Apr. 28 | Mobile, Ala. Adv. Apr. 1 to 15. | Apr. 1 |
| Apr. 28 | Shelby, Miss. | Apr. 15 |
| Apr. 29 | North Dakota | Apr. 15 |
| Apr. 29 | Texas | Apr. 15 |
| Apr. 30 | Manhattan, Kan. | Apr. 15 |
| Apr. 30 | Missouri | Apr. 15 |
| Apr. 30 | North Dakota | Apr. 15 |
| Apr. 30 | West Virginia | Apr. 1 |
| May 1 | Birmingham, Ala. | Mar. 25 |
| May 1 | Florence, Ala. | Apr. 1 |
| May 1 | Marion, O. | Apr. 15 |
| May 3 | Pryor, Ill. Adv. Apr. 15. | Apr. 15 |
| May 3 | New Jersey Adv. Apr. 15. | Apr. 15 |
| May 4 | North Dakota | Apr. 15 |
| May 5 | North Dakota | Apr. 15 |
| May 5 | Belvidere, N. J. | Apr. 15 |
| May 6 | New Brunswick, N. J. Adv. Apr. 15. | Apr. 15 |
| May 6 | North Dakota | Apr. 15 |
| May 6 | Pennsylvania Adv. Apr. 15. | Apr. 15 |
| May 7 | North Dakota | Apr. 15 |
| May 7 | Pennsylvania Adv. Apr. 15. | Apr. 15 |
| May 15 | Anderson, Ind. | Apr. 8 |

## Buildings—Commercial

| | | |
|---|---|---|
| Apr. 16 | Wallingford, Conn. | Apr. 15 |
| Apr. 17 | Phila., Pa. | Apr. 15 |
| Apr. 19 | Indianapolis, Ind. | Apr. 15 |
| Apr. 19 | Akron, O. | Apr. 15 |
| Apr. 20 | San Benito, Tex. | Apr. 15 |
| Apr. 21 | Cape May, N. J. | Apr. 15 |
| Apr. 22 | Fond du Lac, Wis. | Apr. 15 |
| Apr. 27 | Gulfport, Miss. | Apr. 15 |
| Apr. 30 | Easton, Pa. | Apr. 15 |
| Apr. 30 | Pittsburgh, Pa. | Apr. 15 |
| May 1 | Birmingham, Ala. | Apr. 1 |
| May 4 | Iowa City, Ia. | Apr. 1 |
| May 5 | Marysville O. | Apr. 15 |
| May 6 | Thiells, N. Y. Adv. Apr. 8 and 15. | Apr. 8 |
| May 20 | Ohio | Apr. 15 |
| May 25 | Iowa City, Ia. | Apr. 15 |

## Buildings—Industrial

| | | |
|---|---|---|
| Apr. 16 | Holyoke, Mass. | Apr. 15 |
| Apr. 26 | Toronto, Ont. | Apr. 15 |
| Apr. 26 | Two Rivers, Wis. | Apr. 15 |
| May 1 | Canton, O. | Apr. 15 |

## Buildings—Educational, Religious

| | | |
|---|---|---|
| Apr. 16 | Jeffersonville, Pa. | Apr. 15 |
| Apr. 17 | Cleveland, O. | Apr. 1 |

| Bids close | | See Eng. News-Record |
|---|---|---|
| Apr. 19 | Montrose, N. Y. | Apr. 8 |
| Apr. 19 | Wynnewood, Pa. | Apr. 15 |
| Apr. 19 | Cape Girardeau, Mo. | Apr. 15 |
| Apr. 20 | Kansas City, Mo. | Apr. 15 |
| Apr. 20 | Des Moines, Ia. | Apr. 8 |
| Apr. 20 | Lawrence, Kan. | Apr. 8 |
| Apr. 20 | Phila., Pa. | Apr. 15 |
| Apr. 21 | Richmond Hill (Ind. br. Jamaica), N. Y. | Apr. 8 |
| Apr. 21 | Los Angeles, Calif. | Apr. 15 |
| Apr. 21 | Baltimore, Md. | Apr. 15 |
| Apr. 22 | Pelham (Ind. br. New York), N. Y. | Apr. 8 |
| Apr. 22 | Greenville, O. | Apr. 8 |
| Apr. 22 | Abbeville, La. | Apr. 8 |
| Apr. 23 | Minneapolis, Minn. | Apr. 8 |
| Apr. 26 | Union, N. J. | Apr. 15 |
| Apr. 27 | New York, N. Y. | Apr. 8 |
| Apr. 28 | Corning, N. Y. | Apr. 8 |
| Apr. 28 | Bowling Green, O. | Apr. 1 |
| Apr. 28 | Fayetteville, Ark. | Apr. 15 |
| May 3 | Corning, N. Y. | Apr. 15 |

## Federal Government Work

| | | |
|---|---|---|
| Apr. 16 | Mezzanine, etc.—Syracuse, N. Y. | Apr. 1 |
| Apr. 19 | Extension—Macomb, Ill. | Apr. 1 |
| Apr. 20 | Turbine, etc.—Nebraska and Wyoming | Mar 18 |
| Apr. 20 | Addition—Newark, N. Y. | Apr. 1 |
| Apr. 20 | Cable—Buffalo, N. Y. | Apr. 1 |
| Apr. 20 | Fill—Gulfport, Miss. | Apr. 8 |
| Apr. 20 | Steel—San Francisco, Calif. | Apr. 8 |
| Apr. 21 | Wicket Irons—Louisville, Ky. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 21 | Road—Nevada | Apr. 8 |
| Apr. 21 | Hospital—Wash., D. C. Adv. Mar. 25, Apr. 1 and 15. | Mar. 25 |
| Apr. 21 | Extension—Oklahoma City, Okla. | Apr. 1 |
| Apr. 21 | Storage—Pensacola, Fla. | Apr. 1 |
| Apr. 22 | Granite—Wash., D. C. Adv. Mar. 25 to Apr. 15. | Mar. 25 |
| Apr. 22 | Dredging—Ft. Mifflin (mail Essington), Pa. | Apr. 1 |
| Apr. 22 | Remodeling—Wash., D. C. | Apr. 8 |
| Apr. 22 | Brush and Poles—Memphis, Tenn. | Apr. 1 |
| Apr. 22 | Fenders—Norfolk, Va. | Apr. 15 |
| Apr. 23 | Paving—Phila., Pa. | Apr. 15 |
| Apr. 23 | Masts—Panama, C. Z. | Apr. 15 |
| Apr. 23 | Gate Buildings—Phila., Pa. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 26 | Road—Arizona | Apr. 15 |
| Apr. 27 | Recreation, etc. — Pennsylvania Adv. Mar. 25, Apr. 1 and 15. | Apr. 1 |

| Bids close | | See Eng. News-Record |
|---|---|---|
| Apr. 28 | Catamarans—Norfolk, Va. Adv. Apr. 1 and 15. | Apr. 1 |
| Apr. 28 | Quarters—Wash., D. C. | Apr. 1 |
| Apr. 28 | Quarters—Chelsea, Mass. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 29 | Excavation, etc.—Easton, Wash. | Apr. 1 |
| Apr. 29 | Additions—Astoria, Ore. | Apr. 15 |
| Apr. 30 | Cranes—Wash., D. C. Adv. Apr. 1 to 15. | Apr. 1 |
| May 4 | Power Plant—Wash., D. C. Adv. Apr. 8 and 15. | Apr. 8 |
| May 5 | Dredging—South Boston (sta. Boston), Mass. | Mar. 25 |
| May 11 | Gate Chambers, etc.—Wash., D. C. Adv. Apr. 15. | Apr. 15 |
| May 14 | Pipe Line—Wash., D. C. Adv. Apr. 15. | Apr. 15 |
| May 18 | Recreation—Augusta, Ga. Adv. Apr. 15. | Apr. 15 |

## Unclassified

| | | |
|---|---|---|
| Apr. 20 | Unloader—New Orleans, La. | Mar. 25 |
| Apr. 21 | Subway—Toronto, Ont. | Apr. 15 |
| Apr. 21 | Pier—Phila., Pa. | Apr. 15 |
| Apr. 23 | Scale Pit, etc.—New York, N. Y. | Apr. 15 |
| May 3 | Culvert—New Rochelle, N. Y. Adv. Apr. 15. | Apr. 15 |
| May 5 | Tunnel—San Francisco, Calif. Adv. Apr. 1 to 15. | Apr. 1 |
| May 14 | Tunnel—Oakland, Calif. Adv. Apr. 8 and 15. | Apr. 8 |
| May 18 | Signal System—Buffalo, N. Y. | Apr. 1 |

## Materials

| | | |
|---|---|---|
| Apr. 19 | Road Oil—Minneapolis, Minn. | Apr. 8 |
| Apr. 19 | Road Oil—St. Paul, Minn. | Apr. 15 |
| Apr. 19 | Sand and Gravel—Minneapolis, Minn. | Apr. 15 |
| Apr. 20 | Sewer Bricks — Boston, Mass. | Apr. 15 |
| Apr. 20 | Asphalt, etc.—Newton, N. J. Adv. Apr. 8 and 15. | Apr. 8 |
| Apr. 20 | Road Signs—Iowa | Apr. 1 |
| Apr. 22 | Pipe, etc.—Lewistown, Pa. | Apr. 15 |
| Apr. 23 | Lumber, etc.—New York, N. Y. | Apr. 15 |
| Apr. 30 | Road Oil—Nashville, Tenn. | Mar. 25 |

# *News of New Work*

# Waterworks

## *Proposed Work*

**N. J., Trenton**—Plans 3 m.g. centrifugal pump with 2 gas auxiliary engines, at Pennington Ave. Water Station. A. Bugbee, City Hall, engr.

**Md., Trappe** — Town Comrs. retained Kastenhuber & Anderson, civil engrs. and survs., Easton, to prepare preliminary estimate of cost for waterworks.

**Tenn., Livingston** — Making preliminary plans waterworks. To exceed $15,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, consult. engrs.

**Mich., Detroit**—W. C. Piper Co., 206 East Grand River, making plans 3 mi. 6 and 8 in. c.i. mains, etc. in vicinity of Eight Mile, Kern and Kelly Rds. A. D. Van Der Berg, 206 East Grand Blvd., engr.

**Mich., Melvindale** (Dearborn P. O.) — Made plans extending 13,170 ft. 16 in. and 3,000 ft. 8 in. c.i. mains, etc. in Oakwood Blvd. Dists. 12, 13 and 14. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

**Kan., Osawatomie** — Election in April $75,000 bonds, waterworks and light power plant improvements. Burns & McDonnell, 401 Interstate Bldg., Kansas City, Mo., engrs.

**Mo., St. Louis**—See "Unclassified."

**Mo., Washington**—Making plans improving waterworks, pumping station with new motor driven centrifugal pumps, flow meters, etc. W. S. Merkle, 414 North 12th St., St. Louis, engrs.

**Ark., Palestine**—Made preliminary plans new waterworks. $20,000. A. G. Humphreys, mayor. Engineer not selected.

**Texas**—See "Sewers."

**Tex., La Feria** — Making plans waterworks. $20,000. Agar & Gentry, San Benito, engrs.

**Tex., Olney**—Plans waterworks improvements, mains, pipes, etc. $15,000. Montgomery & Ward, 545 Harvey-Snider Bldg., Wichita Falls, engrs.

**Okla., Dawson**—Made plans waterworks improvements. $24,000 bonds voted. Hughes Eng. Co., 205 Cole Bldg., Tulsa, engrs.

**Okla., Enid**—Election Apr. 20, $215 000 bonds, waterworks and $17,500 bonds, sewer extensions. F. C. McGruder, Enid, engr. Noted Oct. 1.

**Ont., Ridgeway** — Council plans waterworks. $60,000. M. S. Pound, City Hall, engr.

*THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.*

*Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.*

## *Bids Desired*

**Massachusetts** — Cities of Danvers and Middletown taking bids mains between both cities. $15,000. Private plans.

**Mass., Falmouth**—Apr. 24, at office Water Comrs., pipe, valves, hydrants, special and standard fittings, etc., f.o.b. cars Falmouth or West Falmouth. Richardson & Gay, 220 Devonshire St., Boston, consult. engrs.; adv. E. N.-R. Apr. 15. Noted Mar. 11.

**Mass., Newton** (Ind. br. Boston)—Apr. 20, by J. C. Whitney, water comr., City Hall, West Newton, 9,721 lin.ft. 20 in. c.i. mains in Commonwealth Ave., Fuller & Homer Sts. $15,000 bonds. Noted Mar. 25.

**N. Y., Perry**—May 11, by Village, reconstructing pumping station, and installing oil engine and pumps, etc. H. J. Rowe, 21 Scott Ave., Wellsville, engr.

**N. J., Haledon** (mail Paterson)—Apr. 22, by Boro Council, waterworks improvements. A. W. Cuddeback, 158 Ellison St., Paterson, boro engr.; adv. E. N.-R. Apr. 15.

**N. J., Hawthorne** (Ind. br. Paterson)—Apr. 30, by Boro Hawthorne extending mains in several streets. $32,000. H. J. Harder, 129 Market St., Paterson, engr. Noted June 18, 1925.

**Pa., Huntington**—Apr. 26, by Huntington Boro Water Comn., constructing 3 m.g. reservoir, etc. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, engrs.; adv. Apr. 15.

**Pa., Phila.**—Apr. 20, by Dept. Pub. Wks., Bureau of Water, single nozzle fire hydrants, Contr. 811; cast iron pipe, Contr. 812; foundation and piping for Shawmont and Roxborough booster pumping stations, Contr. 815; flow meters for 50 m.g.d. pumps for Torresdale Pumping Sta., Contr. 816; and feed water heater for same Contr. 817. G. H. Biles, dir.

**S. C., McCormick** — Apr. 20, by City, waterworks. E. G. Smith, 313 Herald Bldg., Augusta, Ga., engr.

**La., Agurs** — Apr. 21, by T. McCarthy, clk. 9,950 lin.ft. 8 in. and 13,400 lin.ft. 6 in. c.i. also 10,220 lin.ft. 2½ in. wrought iron pipe, etc. Former bids rejected. C. D. Evans, 30 Levy Bldg., Shreveport, engr.

**O., Cincinnati**—Apr. 20, by Comrs. Hamilton Co., 6,800 ft. 4- to 6-in. c.i. mains, etc., in Water Supply Line 32, Dist. 1 (Brockwell Park Sub-division), $15,010; 5,820 ft. 6- to 10-in. c.i. mains in Water Supply Line 31, Dist. 4, $20,431; 31,924 ft. 6- to 8-in.

*See classified index on bids wanted on page 217*

# Strong Concrete in *Three* Days

Often an important section of floor, wall, foundation, walk or pavement must be built and placed in service promptly.

Then you do not like to wait the number of days usually required for concrete to reach the desired strength. You do not have to! By use of the methods recently announced, *three* days are enough. With these methods and standard *Universal* cement—the same quality *Universal* regularly used—you can get concrete in *3 days* as strong as that ordinarily obtained in 28 days, and much stronger at all ages.

Illustrated circular telling how to obtain this time-saving, strong concrete in *3 days* sent upon request to

## Universal Portland Cement Co.

**Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York**

***Concrete for Permanence***

Waterworks (Continued)

c.i. mains, etc., in Water Supply Line 27, Dist. 4 and 5 (Muddy Creek, Rapid Run and Pontius), $70,531; and a 10,903 ft. 6-in. c.i. mains, etc., in Water Supply Line 20, Dist. 3 (Griffin, Beechwood and Edgemont Subdivision), $27,605. L. C. Boyatt, Court House, engr.

**Ill., Chicago** — Apr. 19, by Dept. Pub. Wks., Room 406, City Hall, c.i. pipe and fittings for Western Ave. Pumping Station, 49th St. and Western Ave. A. A. Sprague, comr. Noted Aug. 20.

## Bids Received

**Conn., Newington**—Maple Hall Fire Dist., 38,000 ft. 6- to 12-in. mains and appurtenances in various streets, from J. Driscoll, Torrington, about $22,950. Engrs. est. $25,000.

**N. Y., Brooklyn** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Apr. 6, mains under board walk, Empire Blvd., Elmore Pl., Coney Island, Dumont, Neptune Aves., etc., here, from N. De Stafano, 378 Woodstock Ave., St. George, $17,288. Noted Apr. 1.

**N. Y., New York** — N. J. Hayes, comr. Water Supply, Gas & Electricity Municipal Bldg., Apr. 6, mains, etc. in Bway. and Laurel Hill Terraces, 3rd, 7th and 10th Aves., Arden, Henshaw Park, East 6th Sts., etc. from Knight & DeMicco, Inc., 448 East Tremont Ave., $82,231. Noted Apr. 1.

**Pa., Phila.** — Dept. Pub. Wks., Bureau of Water, Apr. 6, switchboards and wiring for Belmont and Roxborough Pumping Stations, Contr. 814, from Herman Mayer Co., Inc., 103 Walnut St., $46,852.

**O., Cincinnati** — Comrs. Hamilton Co., Mar. 23, 18,587 ft. 4- to 6-in. c.i. mains in Water Supply Line 29, Dist. 3 (Golf Manor), from E. Meier, Ringgold Ave., $36,835, engrs. est. $39,924; and 43,432 ft. 6- to 10-in. in Water Supply Line 24, Dist. 2 (White Oaks, 2nd Contr.), from J. Dempsey, 5310 Carthage Ave., Norwood, $91,449, engrs. est. $95,069. Noted Mar. 18.

**O., Cleveland**—Bd. Comrs. Cuyahoga Co., Mar. 31, 3,500 ft. 6 and 8 in. c.i. mains in East 172nd St. and Wood Ave., Impvt. 569, from Marro Co., Engineers Bldg., $9,220.

**Ill., Decatur**—City, Mar. 31, 6 filter beds and water softeners, from File & Collins, Milliken Bldg., $143,689, engrs. est. $150,000; 6 in. mains in South Main St., East Cantrill and Lakeside additions, from J. L. Johnson, Decatur, $20,725, engrs. est. $25,000. Noted Mar. 11.

**Wash., Puyallup**—Pumping plant, 8 mi. 3- to 8- in. distribution system, reservoir, 30,000 gal. wood stave tank on 20 ft. timber tower, etc., from F. A. Keasal, 1004 North Cushman St., Tacoma, $24,377. Engrs. est. $25,000.

## Contracts Awarded

**N. Y., Long Island City**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in 32nd and 81st Aves., Darthmouth, Loubey, Pansy Sts., etc., to B. Costanzo, 2777 Myrtle Ave., Brooklyn, $10,400. Noted Apr. 8.

**N. Y., Long Island City** — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains, etc., in 14th St., Astoria, and 47th Aves., etc., to S. Gallucci & Sons, 38 Railroad Ave., Corona, $11,000. Noted Apr. 1.

**N. Y., New York**—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Central Park, Bway., 1st and 3rd Aves., to Knight & DeMicco, 448 East Tremont Ave., $18,023. Noted Apr. 1.

**N. J., East Paterson** — Mayor and Boro Council, Gilbert Ave. School, water supply system, incl. pipe, valves, hydrants, etc., to E. B. Egan, Schenectady, $61,000. Noted Feb. 18.

**N. J., New Brunswick**—Bd. City Comrs., 25 Livingston Ave., Apr. 6, Farrington Dam, concrete 550 ft. long, 50 ft. high across Lawrence Brook, at Parsons Mills, used for city water purposes, to A. Phelps & Sons, Knoxville, Ia., $91,200. Noted Mar. 18 under "Dams."

**Del., Wilmington** — Bd. Water Comrs., 16th and French Sts., additional coagulating basin for mechanical filter plant, to J. H. Hutchison & Selbyville Mfg. Co., Newark, $69,643. Noted Feb. 25.

**Md., Baltimore**—Bd. Awards, excavating trenches in Western Dist. for Bureau Water Supply, to M. L. Quinn, 5308 York Rd., $34,965. Noted Apr. 8.

**Miss., Biloxi**—See "Sewers."

**Miss., Long Beach** — Mayor and Bd. Aldermen, to A. M. Lockett & Co., 521 Baronne St., New Orleans, La., waterworks improvements, incl. motor driven pumps and equipment, $4,081; to Pittsburgh-Des Moines Steel Co., 1217-18 Praetorian Bldg., Dallas, Tex., 50,000 capacity steel tank on tower, $4,525; to A. B. Hayden, Inc., Pass Christian, 125,000 gal. capacity concrete reservoir $3,627, concrete foundations $891,-000, brick building $4,400, settling hydrants $286, and drilling 6 in. well $3,000; to Natl. Cast Iron Co., Tarrant City, Birmingham, Ala., c.i. pipe $26,425; to Dixie Mill Supply Co., Inc., 901 Tchoupitoulas St., steel pipe and fittings $2,641, hydrants, valves and boxes $4,351. Grand total $944,336. Noted Mar. 11.

**Tenn., Clinton** — Waterworks extensions, new reservoir, relaying pipe line, etc., to Sherman Machine & Iron Wks., 18-23 East Main St., Oklahoma City, Okla., $165,000. Noted Dec. 10.

**O., Cleveland**—Cuyahoga Co., mains in Lorain and Clague Rds., to Langenham Constr. Co., Marshall Bldg., $77,840. Noted Mar. 25.

**Ill., Chicago**—Bd. Local Impvts., Room 207, City Hall, c.i. mains, castings c.i. fire hydrants and valves, and brick valves basins in South Green St. from West 96th to West 98th Sts., South Larmine Ave. from West 51st to West 52nd Sts., South Sayre Ave. from Archer Ave. to West 52nd St., Caldwell Ave. from Spokane to Legett Aves., Lemai, Leroy, Leona, Lennox and Legett Aves. from Caldwell to Hiawatha Aves., to S. Ryan, 2927 West Congress St.; Luella Ave. from East 102nd to East 103rd Sts., East 127th St. from Carondelet to Escanba Aves., West North Ave. from North Sayre to North Oak Park Aves., North Oak Park Ave. from West North to Castello Aves., Castello Ave. from North Oak Park to North Newland Aves., Dickens Ave. from North Oak Park to North Newland Aves., Armitage Ave. from North Oak Park to North Harlem Aves., North Newcastle Ave. from West North to Dickens Aves., North New England Ave. from West North to Dickens Aves., and North Newland Ave. from North to Armitage Aves., to M. Murphy, 5354 South Michigan Ave. Noted Mar. 18 under "Streets and Roads."

**Wis., Milwaukee**—Central Bd. Purchases, J. W. Nicholson, ch. buyer, mains in various streets, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., $124,706. Noted Apr. 8.

**Kan., Winchester**—New waterworks, incl. 50,000 gal. capacity steel tank on 100 ft. tower, etc., to J. O'Neil, Leavenworth, $28,843.

**Mo., Jefferson City**—See "Railways under Missouri."

**Okla., Porter** — Waterworks, to W. L. Hoffman, 2221 West Bway., Oklahoma City. Engrs. est. $30,000. Noted Oct. 8.

**Calif., Burbank** — For 350,000 gal. reservoir, 48 ft. wide, 90 ft. long and 14 ft. deep, to Odell Constr. Co., Lane Mortgage Bldg., Los Angeles, $12,057. Noted Mar. 25.

**Calif., Los Angeles**—See "Dams."

**Calif., San Diego** — A. H. Wright, city clk., 36 in. lock bar pipe installed, excepting excavation for Sect. 2 Lakeside University Heights Reservoir, to Western Pipe & Steel Co., 5717 Santa Fe St., Los Angeles, $842,775; also excavation and backfill for pipe line, to C. E. Green, Western Mutual Bldg., Los Angeles, $123,027. Noted Mar. 4.

# Sewers

## Proposed Work

**Mass., Gloucester** — Making preliminary plans extending sewers in various streets. To exceed $25,000. R. W. Horne, 200 Devonshire St., Boston, engrs.

**Pa., Phila.**—Dept. Pub. Wks., Bureau of Engineering, rejected bids Mar. 31, pumping station at Northeast Sewage Treatment Works, Wheatsheaf Lane. G. H. Biles, dir. Noted Apr. 8.

**O., Akron**—W. F. Peters, dir. Pub. Serv., soon takes bids 6,060 ft. 10- to 24-in. vitr. clay sewer in Mull Ave. et al, $32,500; and 2,450 ft. 12- to 48-in. in Campbell St. et al, $27,900. J. E. Root, Municipal Bldg., engr.

**O., Akron**—W. F. Peters, dir. Pub. Serv. soon takes bids 17,535 ft. 8- to 42-in. vitr. clay sewer, etc. in Dan St. et al., $121,000; 3,370 ft. 8- to 42-in. in Black St. et al., $31,100; 5,975 ft. 8- to 26-in. in West Exchange St. et al., $39,800; 3,030 ft. 8 in. Hardesty Blvd., $12,300; 3,750 ft. 8- to 30-in. Lucille Ave. et al., $22,000; 2,600 ft. 8 in. Dover St., $9,400; 2,920 ft. 8- to 39-in. Laffer Ave. et al., $22,500; 1,755 ft. 8- to 15-in. Kline St. et al., $8,100; and 3,325 ft. 8- to 20-in. Hammel St. et al., $16,800. J. E. Root, Municipal Bldg., engr.

**Mich., Detroit** — Dept. Pub. Wks. (**L. means Lateral**), made plans 12- to 24-in. vitr. and 2 ring brick sewers in 1,534 ft. L. 4420, 7,634 ft. L. 4555, 3,871 ft. L. 4556, 3,871 ft. L. 4557, 1,532 ft. L. 4558, 1,310 ft. L. 4568, 4,550 ft. L. 4572, and 10,278 ft. L. 4576; 12- to 18-in. 1,671 ft. L. 4513 and 1,875 ft. L. 4536; 12- to 20-in. 1,833 ft. L. 4514, 3,472 ft. L. 4521, 9,006 ft. L. 4547, and 2,774 ft. L. 4560. P. A. Fellows, city engr.

**Mich., Melvindale** (br. Dearborn) — Making plans rein.-con. and brick sewage pumping station incl. two 4,000 g.p.m. and one 2,000 g.p.m. vertical motor driven centrifugal pumps. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

**Ill., Leno**—Plans sewerage system. $88,-300. C. S. Hepner, Freeport, engr.

**Mo., Excelsior Springs** — Making plans sanitary sewers in various streets. $35,000. C. A. Haskins, 824 Finance Bldg., Kansas City, engrs. Noted Mar. 4.

**Texas**—Cities of Port Neches and Nederland making plans complete sewerage and waterworks system. $40,000. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs.

**Tex., Galveston**—City, c/o A. C. Kelly, secy., making plans and soon takes bids rein.-con. storm sewer in 24th St. from Ave. J to Ship Channel. $30,000. C. A. Holt, 2214 J St., Galveston, engr.

**Tex., Munday** — Making plans complete sewerage system and disposal plant. $50,-000. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs.

**Tex., Olney** — Plans disposal plant and sewers in various streets. $30,000. Montgomery & Ward, 545 Harvey-Snider Bldg., Wichita Falls, engrs.

**Tex., Wichita Falls** — State Bd. Control, Austin, making plans 3 mi. sewer from State Hospital to connect with city line, here. $100,000. Montgomery & Ward, 545 Harvey-Snider Bldg., engrs.

**Okla., Enid**—See "Waterworks."

**Colo., Denver**—Plans sewers, etc., in 6th Ave. Parkway Special Sanitary Sewer Dist. 1. $78,563. A. K. Vickery, City Hall, engr.

**Calif., Mill Valley**—Made plans sewers in Blithdale, Throckmorton Aves., etc., 8,571 ft. 4- to 18-in. vitr. pipe 2,069 ft. 12- to 24-in. vitr. sewer on cribbing, etc. J. C. Oglesby, Cheda Blk., San Rafael, engr.

**Calif., Oceanside**—Made plans 6- to 18-in. vitr. sewers, etc., in various streets. $175,-000. R. L. Loucks, city engr.

**Calif., Santa Cruz** — Voted $450,000 bonds, extending sewers in various streets. J. K. James, city engr. Noted Mar. 11.

**Ont., Toronto**—York Twp., plans 6- to 12-in. vitr. tile sewers in 960 ft. Amherst Ave. and Northcliffe, $7,756; 1,200 ft. Castleton Ave., $6,234; 660 ft. Holland Park Ave., $3,825; 970 ft. Mahoney Ave., $7,313; private drain connections in Northcliffe Blvd., $1,580. G. B. Goedike, 49 Jarvis St., engr.

## Bids Desired

**Mass., Boston** — Apr. 21, by Dept. Pub. Wks., sewerage works in Allston St., Brighton; Apr. 22, in Corey and Pomfort St., West Roxbury. $25,000. J. H. Sullivan, comr.

**N. Y., Brooklyn**—Apr. 21, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, repairing sewer basin culverts in various streets.

**N. Y., Long Island City**—Apr. 21, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewer in Riker Ave.; storm water sewer in Hazen St. and temporary cut-off chamber at intersection Riker Ave. and Hazen Sts.; combined sewers in 133rd St.; and sanitary sewer used temporarily as combined sewer in 133rd St.; sewer in Carter Pl., Hazen, Grand, Pacific, Andrews, 79th, 76th, 37th and Leavitt Sts., Ditmars, 17th, 18th, 19th, Calamus, Corinth, Roosevelt, Astoria, 34th and 33rd Aves.

**N. Y., St. George** — Apr. 16, by J. A. Lynch, pres. Richmond Boro, Boro Hall, system sanitary sewers in New Dorp, Oakwood and vicinity, and at pumping station, near Oakwood Beach, here.

**Pa., Kingston**—May 3, by Boro. Council, storm drain along Pond Holes and Luzerne Creek. F. C. Wintermute, 404 2nd Natl. Bank Bldg., Wilkes-Barre, boro engr.; adv. E. N.-R. Apr. 15.

**Pa., Oil City**—Apr. 23, by B. B. Weber, city engr., City Hall, storm sewer in Wabash Ave., and sanitary sewer in High St. Work involves 1,380 ft. 6- to 21-in. vitr. pipe.

**Pa., Phila.**—Apr. 21, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in 78th Ave., Almond, Bensalem, Bingham, Edgemont, Elmwood, 49th, Glenloch, Homer, Jackson, Large, Marsden, N. Philellena, Salmon and Tyson Sts.; main sewers in Aramingo and Mansfield Aves., 8th and Gillespie Sts. G. H. Biles, dir.

**Pa., Westmont**—See "Streets and Roads."

**Md., Baltimore**—Apr. 21, by Bd. Awards, 220 ft. 60 in. rein.-con. pipe drain, 1,295 ft. 8- to 18-in. vitr. sewers 1,000 ft. 6 in. underdrain, etc. in Dists. H-6 and G-2. M. J. Ruark, sewerage engr., City Hall.

# "GEE—HAW!"

YOU remember the old days when a loud "GEE" from a teamster led his team in one direction and a "HAW" in the opposite. Well, now-a-days it's even easier than that to steer an INDUSTRIAL crawler.

A patented steering device controlled entirely from the operator's platform through friction clutches makes possible any kind of curve. The operator merely touches a lever and the rest is easy. Full power to both treads is the essential secret of the INDUSTRIAL steering device. However, either belt may be stopped entirely for real sharp turns when required, but for the average turn, full power to both treads gives a smooth, steady curve. Versatility—nothing else but.

The crawler base shown here is one of the several reasons why INDUSTRIALS excel. By means of the patented steering device this base will carry the machine anywhere at the command of the operator. The propelling gears are high up out of the dirt and you will notice that no chains are used, a remarkable advantage in itself. The treads have cast steel shoes of a design that gives a smooth bearing surface to the ground. This and many other features make this car the envy of other crawler machine manufacturers. Follow our advertisements from issue to issue and you will see more clearly why INDUSTRIALS excel.

*Other products:—Locomotive cranes 5 to 200 tons capacity, freight cranes, pile drivers, clamshell buckets.*

*May we send your further information?*

**INDUSTRIAL WORKS · BAY CITY · MICHIGAN**

Sewers (Continued)

**S. C., McCormick**—Apr. 20, by City, sewerage system. E. G. Smith, 313 Herald Bldg., Augusta, Ga., engr.

**O., Cleveland**—Apr. 21, by Comrs. Cuyahoga Co., 6,000 lin.ft. 8- to 36-in. sewers in vicinity of Broadview and Brookpark Rds., Sewer Dist. 2, Impvt. 75. L. Simon, clk.

**O., Cincinnati**—Apr. 20, by Comrs. Hamilton Co., for Sewer 11, Dist. 3 (Beechwood and Edgemont Sub-division), 29, 327 ft. 6- to 15-in. vitr. clay pipe, $108,205; Sewer 16, Dist. 1, 10,041 ft. 6- to 10-in. vitr. clay pipe, $31,644. L. C. Boyatt, Court House, engr.

**N. D., Washburn**—Apr. 19, by R. Schulz, city aud., approximately 11,943 ft. 6- to 12-in. sewers, etc. in various streets. $35,000.

**Tex., Grapevine**—Taking bids sewers in various streets and disposal plant. $30,000. T. J. Von Zuben, 611 Don Waggoner Bldg., Ft. Worth, consult. engr.

**Ont., Toronto**—See "Contracts Awarded."

**Ont., Toronto** — Apr. 20, by T. Foster, mayor, City Hall, 4,500 ft. concrete or brick trunk sewer in Falcon St., Forman, Soudan, and Rawlinson Aves., portion Sect. 2, North Toronto Sewerage System. $125,000. R. C. Harris, City Hall, engr.

### *Bids Received*

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Apr. 7, sewers in (1) Foch Blvd. (2) Springfield Blvd. (3) Hempstead Ave. (4) Jamaica Ave., from Highway Impvt. and Repair Co., Inc., 50 Church St., New York City, (1A) $693,546 (1B) $638,766 (2A) $717,260 (2B) $618,760 (3B) $367,944 and (4B) $944,680; from Kennedy & Smith, Inc., 93 Amity St. (3A) $405,818; and from Muccinni & Decker, Inc., 6102 18th St., Brooklyn, (4A) $1,035,418. Noted Apr. 1.

**N. Y., New York**—W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Apr. 8, storm water sewer in Varian Ave., from Anita Constr. Co., 2975 Marion Ave., $159,255.

**N. Y., St. George** — J. A. Lynch, pres. Richmond Boro, Boro Hall, Apr. 6, sewage treatment and pumping plant west of Ocean Ave., near Oakland Beach, here, from Moharg Barton Co., Inc., 1328 Bway., New York City, $96,859. Noted Mar. 25.

**Md., Baltimore**—Bd. Awards, Dead Run Trunk Sewer, Sect. 1, in Sewer Dist. G-7, Contr. 228, 4,900 lin.ft. 12- and 18-in. vitr. pipe, and 4,850 ft. 6 and 8 in. underdrain, from F. Angelozzi, Springlake Way and St. Dustans Rd., for Mayor and City Council. $28,704.

**O., Cleveland**—For 675 ft. 4 ft. "E," 260 ft. 4 ft. 3 in. "E," 365 ft. 3 ft. 9 in. "E," 390 ft. 3 ft. 3 in. "C," 610 ft. 3 ft. "C," and 325 ft. 2½ ft. "C" brick also 1,735 ft. 12- to 24-in. vitr. tile sewer in Pearl Rd., from Yahya Bros., 3196 West 25th St., $47,265; 90 ft. 3 x 12 in. rein.-con. sewer in Bellaire Blvd., from E. Gedney, 14251 Superior Ave., $3,793; 407 ft. 6 ft. 3 in. "E" and 600 ft. 5 ft. 3 in. "C" brick sewer in Quincy Ave., from Winterbottom-Connelly Co., 1400 West 25th St., $40,178; also 360 ft. 4½ ft. and 425 ft. 4 ft. brick sewer in West 58th St., from Janashak & Callow, 13606 Union Ave., $17,262. Noted Mar. 4.

**O., Geneva** — Bd. Comrs. Ashtabula Co., Red Brook Sewage Plant, 1,225 cu.yd. excav., 505 cu.yd. concrete, 48,000 lbs. reinforcing settling tanks, etc. in Sect. A, from Koski Constr. Co., Ashtabula, $32,077; 1,350 ft. 24 in. vitr. pipe, 1,350 ft. 24 in. concrete, and 265 ft. 24 in. storm sewer in Sect. B, from Herrich & Whipple Constr. Co., Erie, Pa., $30,918; and 24 in. c.i. pipe, Sect. C, from F. A. Wells Constr. Co., 30 Euclid Arcade, Cleveland, $23,995. Noted Jan. 21.

**Wis., Kenosha**—C. M. Osborn, city mgr., Mar. 26, 3.4 mi. 8- to 42-in. sewers in various streets, from Peder Frandsen, 1126 Selleck Ave., rein.-con. and concrete pipe, $51,760; and rein.-con. and vitr. clay pipe, also sewer stubs, etc., from M. Thompsen, 1020 Salem Ave., $52,160 and $8,275 respectively.

**Wis., Wauwatosa**—Bd. Pub. Wks., A. Brigham, secy., Apr. 2, sewer and water connections in North Ave., from T. G. Holton, 345 27th Ave., Milwaukee, $37,357. Noted Mar. 25.

**Tex., Ft. Worth** — South West Side Sewers, from James Contg. Co., 805 Trunk Ave., Dallas, concrete pipe $53,487, and from Southwell & Abbott, 605 East 2nd St., vitr. pipe. $63,542.

### *Contracts Awarded*

**Miss., Biloxi**—Sewers and water mains in various streets, to Biloxi Plumbing & Heating Co., Biloxi, $43,713. Noted Mar. 11, under "Streets and Roads."

**O., Akron**—W. F. Peters, dir. Pub. Serv., 1,655 ft. 18- to 42-in. vitr. clay sewer in Manning Lake Trunk (Parkdale et al), to E. and W. McShaffrey, 574 Rhodes Ave., $28,772, engrs. est. $35,500; also 2,775 ft. 12- to 48-in. in River St. et al, to W. P. Gibbons Contg. Co., Hotel Akron, $33,198, engrs. est. $35,800. Noted Mar. 25.

**O., Cleveland**—Bd. Comrs. Cuyahoga Co., 2 story tank with inlet sewer and sludge pit, Impvt. 75, Sect. C, to Freeman & Jones Co., Cleveland, $14,060; and 1,500 ft. vitr. sewers in Impvt. 109, to Janashak & Callow, 13606 Union Ave., $8,339.

**O., Cleveland**—For 110 ft. double barrel concrete sewer in Sect. 1 and 115 ft. 4 x 8 concrete sewer in Sect. 2 Puritas Ave. to Kassouff & Co., 3182 West 25th St., $8,998 and $3,943 respectively; 865 ft. 8- to 24-in. vitr. tile sewer in Bader Ave., to Janashak & Callow, 13606 Union Ave., $4,071; 202 ft. 4½ ft. concrete sewer in Kingsbury Run, to Ciraci Constr. Co., 3414 East 123rd St., $4,421. Grand total $22,063. Noted Apr. 1.

**Ill., Chicago** — Bd. Local Impvts., Room 207, City Hall, tile sewers with brick manholes and catch basins in Normal Ave. from West 95th St. to alley west of 97th St., to Fosco Bros.; South Peoria St. from West 103rd to West 107th Sts., to A. Scully, 5467 Kamerling St.; North Carolina Ave. from Toughy Ave. to Howard St., Jarlath, and Howard Sts., Chase, Fargo, Birchwood and Jerome Aves. from North California Ave. to North Rockwell St., Sherwin Ave. from North California Ave. to North Western Aves., North Fairfield Ave. from Fargo, to Jarvis Aves., North Washtenaw and North Talman Aves. from Fargo to Jarvis Aves., North Rockwell St. from Birchwood Ave. to Howard St., and North Rockwell St. from Jarvis to Fargo Aves., to Carmine Bros. Noted Mar. 18.

**Ill., La Grange**—City, South Side Sewers, incl. sanitary and storm sewers, etc., to E. R. Harding & Co., 400 James Blk., Racine, Wis., $248,934. Noted Jan. 28.

**Ill., Rockford**—See "Streets and Roads."

**Wis., Milwaukee**—Dept. Pub. Wks., to P. & L. Co., 038 Edgewater Ave., vitr. sewers in Cedarburg Rd. $4,134, to G. E. and L. Zimmermann, 3402 Grand Ave., Chambers St. $1,585, Euclid Ave. $2,145, Locust St. $2,251, 9th Ave. $3,829, Ohio Ave. $1,499, 6th Ave. $1,117, and monolithic concrete sewer in 27th St. $110,031; to Szukalski & Matke, 1089 American Ave., vitr. sewer in A-Euclid Ave. $910, Ohio Ave. $794, and 7th Ave. $1,022, to Shobart-Rauch, Inc., 1003 41st St., 1st Ave. $6,534, and 2nd Ave. $6,484, to Nevada Constr. Co., Nevada, Ia., Fond du Lac Ave. $6,001, to H. Hohensee, Ludington Ave., Wauwatosa, Fond du Lac Ave. $20,301, to J. B. Forrestal Co., 215 15th St., Hayes Ave. $318, to Milwaukee Sewer & Drainage Co., 928 Humboldt Ave., 6th St. $398, to W. T. Werner, 675 Hi-Mount Blvd., Way Pl. $1,146; and to Mierswa Constr. Co., 1619 Oregon St., monolithic concrete sewers in Center St. $53,749. Grand total $224,248. Noted Mar. 18.

**S. D., Sioux Falls**—City Comrs., sewage treatment plant, Div. A, concrete throughout, to Peterson & Henningson, Tracy, Minn., $64,357. Noted Mar. 4.

**Tex., Ft. Worth**—Storm sewers in Forest Park-Biddison, to Tarrant Constr. Co., 1005 Calhoun St., $68,822.

**Tex., Houston** — Sanitary and storm sewers in Texas Ave., Main and Chenevert Sts., to Pfeiffer Constr. Co., 2113 Crockell St., $29,938.

**Calif., Glendale**—Sewers in Sewer Dist. 3 (Colorado St., etc.), to B. D. Zaich, 220 West 56th St., Los Angeles, $106,085. Noted Apr. 1.

**Calif., Yuba City**—For 70,000 lin.ft. 6- to 16-in. concrete sewers in various streets, to Merced Concrete Pipe & Constr. Co., Merced, $59,842. Noted Mar. 25.

**Ont., Toronto** — York Twp., sewers in Fairbank and Bowie Aves., to W. E. Taylor, 22 Falcon St., $9,804; Northcliffe Blvd., to H. S. Walton, 60 Gamble Ave., $4,460; Humbercrest Blvd. and Ossington Ave., by day labor, $12,787. Grand total $27,051. Work involves 6,000 ft. 8 in. vitr. tile pipe.

## Waste Disposal

### *Proposed Work*

**Mo., St. Louis**—See "Unclassified."

### *Bids Received*

**O., Hamilton**—G. C. Mitchell, serv. dir., Apr. 5, garbage plant, from C. E. Walthers Co., New York City, N. Y., 75 ton plant and radio brick stack, $24,800 and $3,800 respectively; from Pittsburg-Des Moines Co., Curry Bldg., Pittsburgh, Pa., 60 ton plant, $24,700; from W. G. Morrison, 602 Callahan St., Dayton, 30 ton reduction plant, $47,000; from David & Farley Co., Cleveland, 50 ton furnace, $45,000; from Decarie Incinerator Corp., 342 Madison Ave., New York, 70 ton furnace, $45,999; from C. O. Bartlett & Snow, French and Winter Sts., Cleveland, 60 ton furnace, $45,000; and from Superior Incinerator Co., Wilson Bldg., Dallas, Tex., 60 ton furnace with stack, $42,500.

### *Contracts Awarded*

**O., Massillon**—Complete garbage disposal plant, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex., $40,000.

**Okla., Enid**—Single unit garage incinerator, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex., $21,000. Noted Dec. 24.

## Bridges

### *Proposed Work*

**N. C., Wilson**—Wilson Co. sold $625,000 bonds, of which $250,000 will be used constructing bridges on new county highway system, and remainder to pay for roads (now under construction). H. W. Rankin, Wilson, engr.

**Tenn., Farmington**—Marshall Co. (Lewisburg), and State Dept. Highways & Pub. Wks., Nashville, making surveys bridge, probably concrete, and approaches over Rocky River, near here. Work will be under supervision State Dept. Highways & Pub. Wks. C. N. Bass, comr.

**O., Lorain** — Plans bridge over Black River, at 14th St. $250,000.

**Ia., Iowa City**—City Council and Chicago, Rock Island & Pacific R.R. Co., La Salle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., plan bridge over branch line of railroad tracks, here. $40,000. G. J. Dohrer, city clk.

**Missouri** — Carroll Co. (Carrollton) and Chartion Co. (Keytesville) plan steel bridge, $35,000.

**Mo., St. Louis**—City and St. Louis Co. plan rein.-con. and steel viaduct to carry Arsenal St. over St. Louis & San Francisco R.R. tracks. $90,000. L. R. Bowen, 301 City Hall, engr.

**Texas and Mexico**—Gateway Bridge Co. c/o R. B. Creager, Brownsville, Tex., plans steel and rein.-con. bridge across Rio Grande River between Brownsville, Tex. and Matamaras, Mexico. G. A. Fraser, 708 Kirby Bldg., Dallas, engr.

**Tex., Cleburne** — City, c/o W. H. Goldsmith, mayor, making plans steel and rein.-con. bridge across Buffalo Creek, on West Wardvill St. $30,000. C. H. Teesdale, Cleburne, engr.

**Tex., Floresville** — Wilson Co., C. B. Stevenson, judge, making plans steel bridge and graded approaches on Highway 81, across Cibolo River. $79,000. F. E. Hess, Floresville, engr.

**Tex., Sanderson** — Southern Pacific R.R. Co., H. M. Lull, ch. engr. Texas Lines, Houston, making plans rein.-con. 4 track bridge over Sanderson Creek. $125,000.

**Calif., Los Angeles** — Election Apr. 26, $1,900,000 bonds, municipal improvements, incl. viaduct or bridge across Los Angeles River at adjacent railroad tracks at 6th St., also at East Washington St., and replacing, repairing and altering various bridges and viaducts.

### *Bids Desired*

**Maine** — Apr. 21, by State Hy. Dept., Augusta, Hobart St. Bridge in Edmunds; Baileys Island Bridge in Harpswell; Butler Bridge and Great Works Bridge in New Portland; Toddy Pond Bridge in Orland; Handy Brook Bridge in Readfield, Woodman's Hill Bridge in Searsmont, and Mill Bridge in Stetson.

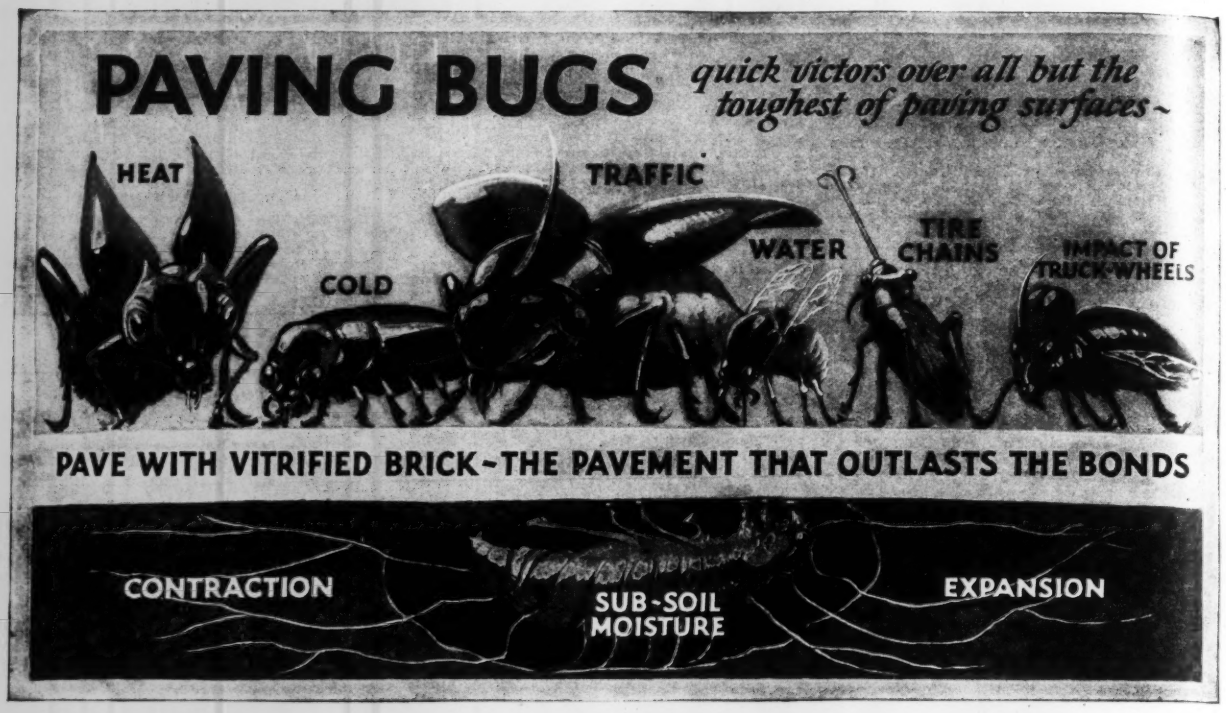
**Massachusetts**—See "Streets and Roads."

**Rhode Island**—Apr. 28, at office State Bd. Pub. Roads, State House, Providence, State Bridges 143, 204, 205, 206, 207 and 213; adv. E. N.-R. Apr. 15.

**Fla., Jacksonville** — May 10, by Comrs. Duval Co., Court House, new concrete highway bridge over Big Pottsburg Creek, on Atlantic Blvd., Rd. 2. T. B. Carrick, 305 Court House, co. bridge engr.; adv. E. N.-R. Apr. 15.

**Louisiana**—May 11, by State Hy. Comn., Baton Rouge, three 80 ft. steel low truss and four 31 ft. rein.-con. deck girder span bridge, on Jena-Jonesville Highway, Federal Aid Project 166-C, Catahoula Parish. W. B. Robert, Reymond Bldg., state engr.

**O., Dayton** — May 7, by Comrs. Montgomery Co., Court House, 240 ft. span steel through truss highway bridge over Twin Creek on state road in German Twp.; and substructure for steel highway bridge over Bear Creek in Miami Twp. $60,000. W. O. Pease Dayton co. surv.




THE annual cost of a pavement is its first cost *plus* interest on its bonds *plus* every later expenditure for upkeep and repairs, *divided* by the number of its useful years.

From the instant it is laid, a pavement is subject to destructive forces. The jolt of heavy trucks tend to crack and pulverize brittle materials. Tire chains gnaw into soft surfaces. Contraction and expansion attempt to throw the riding surface into hummocks or to rend and shatter rigid construction. Freezing and thawing of sub-soil moisture racks any rigid pavement surface. Surface seepage, a milder but ceaseless enemy, accelerates decay of short-lived materials.

The combination of these forces wreck some surfaces in a few years. The hand of man, cutting trenches for underground installations, hastens this deterioration, unless the surfacing material can be lifted and replaced without requiring new material.

Only one pavement, at reasonable first cost, meets every modern condition—*the asphalt-filled vitrified brick pavement.*

**VITRIFIED Brick PAVEMENTS OUTLAST THE BONDS**

Its fire-hardened surface resists traffic wear indefinitely—scores of brick pavements are well beyond the 30-year mark. The elastic asphalt joint withstands the bending, jolting and heaving actions of heavy loads, temperature changes and subsoil freezing. Cross-trenches are economically cut because the asphalt joint, though a tight water-seal against seepage, keeps each brick a quickly removable unit that comes out and goes back into place with virtually 100% salvage.

To cap every other advantage, should the surface of a brick street or road, due to foundation failures, become uneven after a quarter-century or more of service, the original brick can be relaid and a smooth, renewed pavement secured at a small fraction of the first cost of any other known pavement!

*Moral*—advocate vitrified brick for pavements in your community.

I would be glad to receive a free copy of book, "Brick Roads Outlast the Bonds," containing facts and figures on paving costs taken from public records.

*Name* _____

*Address* _____

*City* _____ *State* _____

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Bridges (Continued)

**Wisconsin**—Apr. 23, by State Hy. Comn., and City of Neenah, City Hall, Neenah, constructing Fox River Bridge, 2,707 cu.yd. rein.-con., 7,360 lb. structural steel, etc.; also North and South Canal Bridge, 1,521 cu.yd. rein.-con., 4,850 lb. structural steel, etc. J. T. Donaghey, Madison, ch. engr.

**South Dakota** — Apr. 27, by State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, constructing two 67 ft., one 144 ft., one 128 ft. and one 140 ft. concrete viaducts on F. A. P. 158-B, Clay Co.; one 50 ft. on F. A. P. 194-B, Hand Co.; one 90 ft., one 150 ft. and one 120 ft. on F. A. P. 162-C, Jackson Co.; and 384 ft. concrete viaduct over Redwater River, on F. A. P. 206-B, Butte Co.; one 36 ft. I-beam span and one 30 ft. viaduct on F. A. P. 185-F, Jones Co.; one 34 ft. viaduct, F. A. P. 191-E, Kingsbury Co.; one 34 ft. viaduct on F. A. P. 183-B, Spink Co.; one 50 ft. and one 150 ft. viaducts on F. A. P. 194-C, Brule Co.; one 90 ft. concrete and one 178 ft. viaducts on S. A. P. 133, Minnehaha Co. J. C. Botterman, Pierre, highway engr.

**Texas**—See "Streets and Roads."

**Tex., Boston**—See "Streets and Roads."

**Tex., Cameron**—See "Streets and Roads."

**Tex., Dallas**—See "Streets and Roads."

**Tex., Henderson** — See "Streets and Roads."

**Tex., Huntsville** — See "Streets and Roads."

**Washington**—See "Streets and Roads."

### *Bids Received*

**North Carolina**—State Hy. Dept., Raleigh, Mar. 30, rein.-con. bridges, etc. on Project 398, Robeson Co., and Project 6690, Rowan Co., from J. S. Bowers, Whiteville, $40,664 and $46,805 respectively; on Project 480, Wake Co., from Roanoke Iron & Bridge Wks., Roanoke, Va., $31,593; on Project 244, Jones Co., from E. A. Wood & Co., Andrews, $39,280; on Project 591, Rockingham Co., from Draper & Wood, Roanoke, Va., $46,862. Noted Mar. 18.

**Illinois**—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, Mar. 31, rein.-con. slab bridge and rein.-con. substructure on Route 24 Sect. 14-B, Sangamon Co., from Hurden Constr. Co., Springfield, $32,306; steel superstructure on Route 24 Sect. 14-C, Sangamon Co., 179,060 lb. reinforcing, from Vincennes Bridge Co., Vincennes, Ind., $10,-931; rein.-con. bridge on Route 38, Sect. 3-B, Jersey Co., from Medaris Constr. Co., Greenville, $3,315; 3 rein.-con. bridges on Route 38, Sect. 6-B, Jersey Co., from Herrick Constr. Co., Carlinville, $16,107; rein.-con. bridge on Route 43-A, Sect. 2-B, Menard Co., from J. D. Lain, Bloomington, $30,741; steel superstructure on Route 43-A, Sect. 2-C, Menard Co., 1,440,910 lb. reinforcing, from Illinois Steel Bridge Co., Jacksonville, $87,765; rein.-con. bridge on Route 13, Sect. 4-B, Saline Co., from W. H. Shons Co., 11 South Liberty St., Freeport, $9,237; steel bridge on Route 2, Sect. 11-B, Union Co., 151,890 lb. reinforcing, from V. L. Peters, Homer, $26,116; also sidewalks on bridge on Route 36, Sect. 10-D, Adams Co., from H. T. Roberts, Rushville, $1,979. Noted Mar. 18.

**Tex., San Antonio**—Bexar Co., c/o A. McCloskey, judge, constructing 3 rein.-con. bridges from 92 to 183 ft. long, and 3 rein.-con. bridges from 86 to 260 ft. long, in Precinct 1, from L. E. Sanders, c/o Houston Bldg., $73,182 and $81,110 respectively; 260 ft. rein.-con. bridge in Precinct 3, from Black & Werner, 807 Drexel St., $27,596; and approximately 232 ft. rein.-con. bridge in Precinct 4, from Dielman Constr. Co., 205 East Commerce St., $25,717.

### *Contracts Awarded*

**Fla., Jacksonville** — Duval Co., general contract Pablo Creek drawbridge, on Atlantic Blvd., to Ward-Latham, Clearwater, and Amer. Bascule Bridge Co., 155 North Clark St., Chicago, $131,564. Noted Mar. 25.

**Tennessee**—State Dept. Highways & Pub. Wks., Nashville, bridges on Project 36-C, Shelby Co., to Booz Boyd & Co., Hickory, N. C., $65,328. This corrects report in Mar. 25 issue.

**Ohio**—Dept. Hys. & Pub. Wks., to W. H. Heiby & Co., Marietta, rein.-con. bridge on Sect. "U" Ohio River Rd. Washington Co. $20,757, on Sect. "H" same road $3,780 and bridges and culverts on Sect. "H" same road $5,841; to Merry & Miller, Caldwell, bridge on Sect. "I" Athens-McArthur Rd., Athens Co., $4,876. Noted Mar. 11.

**Illinois**—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 29, Sect. V-1, Bureau Co., to Hurtgen & Sayer, St. Louis, Mo., $14,696; on Route 40, Sect. 5 V, Carroll Co., to W. D. Lonergan Constr. Co., Streator, $18,707. Noted Feb. 11.

**Kan., Hays**—See "Streets and Roads."

**Wyo., Powell**—State Hy. Dept., Cheyenne, 80 ft. steel truss bridge near here, Park Co., to C. O'Neill, Platteville, Colo., $17,193. Engrs. est. $25,000. Noted Mar. 25.

**Tex., Clarksville** — See "Streets and Roads."

**Tex., Dallas**—See "Streets and Roads."

**Ontario**—See "Streets and Roads."

## Dams

### *Proposed Work*

**N. C., Lexington**—Tallahassee Power Co., Badin, plans 20 ft. dam across Yadkin River, about 20 mi. south of here.

### *Bids Desired*

**Conn., Norwich**—Apr. 29, by Bd. Water Comrs., at office Chandler & Palmer, engrs., Norwich, dam and appurtenances; adv. E. N.-R. Apr. 15.

### *Contracts Awarded*

**Calif., Los Angeles**—Los Angeles Co., from H. E. Heller, Stacto and Pine Sts., Stockton, constructing 155 ft. angle arch dam, 540 ft. at crest and 65 ft. bottom, also 350 acre ft. reservoir, 22,000 cu.yd. earth excav. at $3.60 per cu.yd., 2,000 cu.yd. rock excav. $8, 42,000 cu.yd. mass concrete $4.45, 300 cu.yd. rein.-con. $10, etc., total $296,905.

## Railways

### *Proposed Work*

**Missouri**—Muscle Shoals, Birmingham & Pensacola R.R. Co., c/o St. Louis & San Francisco R.R. Co., F. G. Jonah, ch. engr., Frisco Bldg., St. Louis, making preliminary plans relocating and eliminating curves and heavy grades on 7.6 mi. (two sections) in St. Louis. $150,000.

**Texas**—Southern Pacific R.R. Co., c/o G. S. Wear, genl. mgr., Southern Pacific Bldg., Houston, plans freight terminal and office building in Dallas, $1,000,000; also enlarging division terminals, addition to roundhouse, etc. at Sanderson, $150,000. H. M. Lull, ch. engr. Texas lines.

### *Contracts Awarded*

**Missouri**—Missouri Pacific R.R. Co., Ry. Exch. Bldg., St. Louis, E. A. Hadley, ch. engr., constructing 19 mi. second main line tracks, etc., between Washington and Berger, to List Constr. Co., Ry. Exch. Bldg., Kansas City, and 3.26 mi. second track between Jefferson City and Algoa, incl. cut through hill to replace existing tunnel near Jefferson City, to Winston Bros. Co., Buder Bldg., St. Louis, both total $2,940,000; yard changes, enlargements, with necessary buildings at Jefferson City, to Winston Bros. Co., Buder Bldg., St. Louis, $210,000; steel water tower and piping at Jefferson City yards, to Pittsburgh-Des Moines Steel Co., Tuttle and S. W. 10th Sts., Des Moines, Ia., $30,000; washout piping in Ewing Ave. engine house, St. Louis, to F. W. Miller Heating Co., 332 South Michigan St., Chicago, Ill., approximately $10,000; and 250 ton coaling stations, rein.-con., one at Archie and other at Centerview, to Ogle Constr. Co., 28 East Jackson St., Chicago, Ill., approximately $45,000 each. Grand total $3,235,000.

## Excavation, Drainage, Irrigation, Levees, River and Harbor

### *Proposed Work*

**Miss., Ashland**—Wolf River D. D., Benton Co., soon takes bids 13 mi. drainage ditches, 325,000 cu.yd. excav. F. A. Livingston, 201 Masonic Bldg., Louisville, engr.

**Tex., Eagle Pass** — Maverick Co. Water Impvt. Dist., c/o T. S. Wyche, pres. Eagle Pass Chamber of Commerce, plans to irrigate from 65,000 to 100,000 acres. Election soon to vote on issue, to provide funds for all preliminary work, if same carries $3,000,000 main bond issue will be voted on later. W. L. Rockwell, 107 East 15th St., Austin, engr. Noted Feb. 18.

### *Bids Desired*

**N. Y., Fire Island** (mail Babylon) **N. Y.** —Apr. 29, by Long Island State Park Comn., 302 Bway., New York City. 125 x125 ft. boat basin, at Fire Island State Park, Suffolk Co., here. H. L. Bowlby, 302 Bway., New York City, ch. engr.; adv. E. N.-R. Apr. 15.

**Miss., Philadelphia**—J. P. Cooper, secy. Kentawka D. D., taking bids excavating laterals 10, 11 and 12, 60,000 cu.yd. excav. F. A. Livingston, 201 Masonic Bldg., Louisville, engr.

**Wis., Milwaukee**—Apr. 20, by Dept. Pub. Wks., R. E. Stoelting, comr., dredging rivers and canals. $50,000. Noted Apr. 1.

### *Bids Received*

**New York**—T. F. Farrell, comr. Canals & Waterways, Dept. Pub. Wks., 55 Lancaster St., Albany, Apr. 8 dredging Erie Canal, channel in Mohawk River from Vischer Ferry to Lock 14, Contr. 230, from Amer. Pipe & Constr. Co., Amsterdam, $88,427, engrs. est. $85,000; and same channel from Indian Castle Creek to Herkimer-Oneida Co. line Contr. 231, from J. W. Hennessy, Inc., 432 Bway., Albany, $166,938; engrs. est. $260,750. Noted Mar. 11.

### *Contracts Awarded*

**La., Alexandria**—Atchafalaya & Bayou Beouf D. D., 9,500 ft. levee work between Garnier and Tilden, 118,000 cu.yd. excav., to Dameron & Kenyon, Port Allen, at $0.158 per cu.yd.

**La., New Orleans** — Bd. Levee Comrs. Orleans Levee Dist., Courthouse, driving round piles and placing sheet pile bulkhead in southern shore Lake Pontchartrain from West End to Seabrook, to Scott & Bres. Carondelet Bldg., $135,000. Noted Apr. 8.

**La., Shreveport**—Bd. Comrs. Caddo Levee Dist., to Howard Kenyon Dredging Co., Port Allen, dredging Kelly Bayou from Arkansas line to Black Bayou, 551,000 cu. yd. excav. at $0.1175 per cu.yd., and 17.5 mi. clearing at $270 per mi.; to Woods Bros. Constr. Co., Lincoln, Neb., 3,300 ft. bank protection on Red River, below here, $62,325. Noted Mar. 11.

**Ark., Marianna** — Lee Co., Hog Tush D. D., cleaning ditches 4 to 8 ft. deep, and 4 to 10 ft. wide, 200,000 cu.yd. excav., to E. C. Bradenberg, Wayne, at $0.1145 per cu.yd. Noted Mar. 18.

**Calif., San Diego**—See "Waterworks."

## Streets and Roads

### *Proposed Work*

**Conn., Bridgeport**—Plans paving various streets. $200,000. J. N. McElroy, City Hall, engr.

**Conn., New Haven** — Plans permanent paving and widening Forbes Ave. from Tomlinson Bridge to Townsend Ave. in cooperation of State Highway Dept. by agreement. $90,000. State Highway Dept., Hartford, engr.

**N. Y., Tonawanda**—Making plans asphalt or vitr. brick paving Franklin, Harriett, Mullen, and DeKalb Sts. $160,000. T. W. Barrally, Tonawanda, engr.

**New Jersey**—State Hy. Comn., Trenton, soon takes bids concrete paving 2.738 mi. Buttsville-Belvidere Rd., Warren Co.; 9.633 mi. Absecon-Egg Harbor Rd., Route 3, Atlantic Co.; 2 mi. Woodbridge-Reformatory Rd., Middlesex Co.; and 3.05 mi. Clinton-Perryville Rd., Route 9, Hunterdon Co. W. G. Sloan, Trenton, highway engr.

**N. J., Belvidere**—Warren Co. plans improving Philipsburg-Belvidere Pike from Harmony to Roxboro. H. W. Vetter, Belvidere, engr.

**N. J., Red Bank**—Common Council plans widening Monmouth St., from Broad St. to railroad station. $80,000. Engineer not selected.

**Pennsylvania**—State Hy. Dept., Harrisburg, plans having approximately 1,000 mi. also grading and resurfacing additional 300 mi. roads, etc., during coming season. W. H. Connell, acting secy. highways.

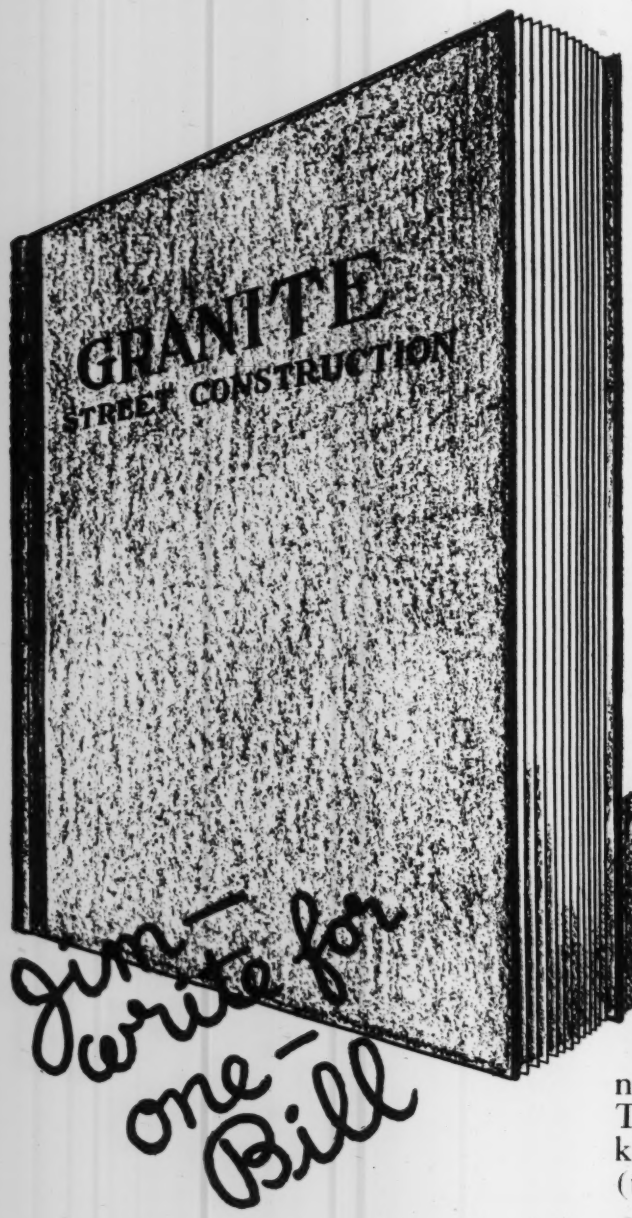
**Pa., Waynesboro**—Election May 18, $250,-000 bonds, of which $84,000 used for paving various streets, etc. J. L. Wood, burgess.

**W. Va., Beckley**—Trap Hill Dist., Raleigh Co. election May 8, $98,000 bonds, improving various roads. W. J. Campbell, Beckley, engr.

**W. Va., Huntington** — Cabell Co. soon takes bids concrete paving 3 mi. Johnstown Route and 3 other projects, 16 ft. $100,000. J. M. Oliver, Huntington, co. engr.

**W. Va., Morgantown**—Clark Dist. Magnolia Co. election May 1, $525,000 bonds, improving various roads. A. J. Baritell, Morgantown, engr.

**W. Va., Moundsville**—City Council made plans brick paving Morton Ave. and various streets. $100,000. J. J. Sammons, city engr.




# —this book will save thousands

of dollars to taxpayers. It is a book for municipal engineers, highway offcials, Chambers of Commerce, *everyone* interested in better paving at lower costs.

## it tells why GRANITE PAVING "lives forever."

A granite-block pavement, with grout-filled or bituminous-filled joints is the ideal pavement — smooth, noiseless beneath modern rubber tires, non-rutting, non-rotting, never cracking or dusting. This Book tells and shows all you want to know about Granite, Granite Blocks (types) Curbing.

***Send for your copy and study it to your advantage.***

**The Granite Paving Block Mfgrs. Assoc. of the U. S. Inc.**
**31 State Street, BOSTON, MASS.**
*Representing The World's Greatest Granite Quarries*

GRANITE·LIVES·FOREVER

Streets and Roads (Continued)

**N. C., Wilson**—See "Bridges."

**Georgia** — State Hy. Dept., East Point, made plans penetration macadam surfacing 1.807 mi. Cornelia-Baldwin Rd., Federal Aid Project 320, Habersham Co. W. H. Neel, East Point, highway engr.

**Fla., De Funiak Springs** — Walton Co. voted $1,000,000 bonds, completing State Roads 46 and 60. Noted Mar. 11.

**Miss., Meridian**—Plans paving 16 various streets and 2 avenues.

**Miss., Port Gibson**—Jefferson Co. making preliminary plans grading, gravel surfacing, etc., road from Lerman to Claiborne Co. line, etc. $90,000. W. C. Stowell, Court House, engr.

**La., Baton Rouge**—East Baton Rouge Parish voted $67,000 bonds grading, and hardsurfacing Mengel and Louisiana Chemical Rds.

**La., Columbia** — Caldwell Parish Police Jury voted $350,000 bonds, grading and graveling various roads in Road Dist. 2, lying west of Ouachita River. Swanson & McGraw, Balter Bldg., New Orleans, engrs. Noted Mar. 18.

**Tennessee**—State Dept. Highways & Pub. Wks., Nashville, takes bids about June 5, grading, etc., 10 mi. Madisonville-McMinn Co. line Rd., Monroe Co. C. N. Bass, comr.

**Tenn., Clarksville**—Takes bids about June 1, rock asphalt on limestone macadam paving North 2nd and Castle Sts. $27,000. Noted Feb. 18.

**Tenn., Jackson**—City Comrs. soon take bids probably concrete paving 20,000 sq. yd. various streets. To exceed $25,000. L. Taylor, Jackson, mayor.

**Tenn., Livingston**—Overton Co. plans improving 15 mi. Livingston-Fentress Co. line Rd. To exceed $25,000.

**Tenn., Spencer**—Van Buren Co. and State Dept. Highways & Pub. Wks., Nashville, plans improving 10 mi. Spencer-Pikeville Rd. C. N. Bass, comr.

**Kentucky**—State Hy. Dept., Frankfort (**F.A.P. means Federal Aid Project**) plans grading 6 mi. Glasgow-Burkesville Rd., F.A.P. 116 Barren Co., 7.51 mi. Jackson Highway from Glasgow to Allen Co. line, F.A.P. 112 Barren Co., 9.5 mi. Morgantown-Hartford Rd. Butler Co., 2.2 mi. Dixie Bee line from Pembroke to Todd Co. line Christian Co., 10.5 mi. Princeton-Dawson Springs Rd. Caldwell Co., 13 mi. Bardwell-Louisville Rd. Carlisle Co., 3.51 mi. Owensboro-Beech Grove Rd. and 4.75 mi. Owensboro-Hanley Rd. both Daviess Co., 7 mi. Greensburg-Hogdenville Rd. from Allendale to La Rue Co. line Green Co., 9 mi. Mt. Vernon-Stanford Rd. from Mt. Vernon to Lincoln Co. line Rockcastle Co., and 10.6 mi. Dixie Bee Line from Christian Co. line to Guthrie, Todd Co.; grading and surfacing 8 mi. West Dixie Highway from Hart Co. line to Edmonson Co. line, Barren Co.; high type surfacing 11.51 mi. Harlan-Pineville Rd. Bell Co., 3 mi. Owensboro-Henderson Rd. Daviess Co., 6 mi. East Dixie Highway south of Williamstown, F.A.P. 114 Grant Co., 3.7 mi. Elizabethtown-Hodgenville Rd., F.A.P. 118 Hardin Co., 11 to 12 mi. Harlan-Pineville Rd. Harlan Co., 1 mi. Elizabethtown-Hodgenville Rd., F.A.P. 118 Larue Co., 2.9 mi. East Dixie Highway-Richmond-Lexington Rd. Madison Co., 2 mi. Richmond-Mt. Vernon Rd., F.A.P. 88 Madison Co., and 6.6 mi. Richmond-Mt. Vernon Rd., F.A.P. 88, Rockcastle Co. E. N. Todd, highway engr.

**Ky., Russelville** — Making preliminary plans grading and sheet asphalt paving 16,000 sq.yd. Jackson, Johnson and 4th Sts. $28,000. P. C. Andrews, mayor. Engineer not announced.

**O., Cincinnati** — Hamilton Co. plans oil surfacing 50 mi. various roads, $34,125; and tar surface treating 12 mi. roads in Woodlawn and Western Divs. $25,538, also 14 mi. roads in Eastern and Cheviot Divs., $25,313, all 16 ft. E. A. Gast, Courthouse, engr.

**O., Marietta** — Soon takes bids brick paving Putnam St. from 4th St. to bridge, $35,096 and Putnam St. from 4th to 7th Sts., $52,991. F. H. Mautz, Marietta, engr.

**O., Youngstown**—Comrs. Mahoning Co. soon take bids 4 in. bituminous macadam on 12 in. limestone and crushed rock ballast paving 2.47 mi. Youngstown-Pittsburg Rd., 20 ft. $36,484.

**Illinois**—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, rejected bids paving Route 2, Sect. 53, De Witt Co. Noted Oct. 15.

**Ill., Anna** — Making preliminary plans grading, curbing and concrete paving Dists. 6 and 7. $60,000. Taylor & Woltman, Unity Bldg., Bloomington, engrs.

**Ill., Chicago**—Cook Co. plans 36 ft. grading and 18 ft. concrete paving with 8 ft. shoulders 192 mi. various roads during 1926. $5,000,000. G. Quinlan, supt. co. highways.

**Ill., Decatur**—Plans grading, curbing and vibrolithic concrete paving 12 blocks West Olive and South Monroe Sts., St. Louis and Lincoln Aves., 28 ft. $60,000. M. P. O'Brien, City Hall, engr.

**Ill., Mount Carmel**—Making preliminary plans grading, curbing, concrete paving, etc. 12 blocks 1st and Walnut Sts. L. H. Murray, Mount Carmel, engr.

**Ill., Murphysboro** — Making preliminary plans brick surfacing various streets. $100,000.

**Ill., Peoria**—Plans grading, curbing and rein.-conn. paving Olive St., and vitr. brick paving, etc., Central Ave. $45,000. W. Bockes, City Hall, engr.

**Ia., Albia**—Monroe Co. election Apr. 12, $600,000 bonds, improving various streets.

**Ia., Belle Plaine** — Making preliminary plans grading, curbing and concrete, asphalt or brick, etc., paving 7,000 sq.yd. 11th St.

**Ia., Ottumwa**—Wapello Co. voted $1,000,000 bonds, grading and paving various roads. H. E. Hansell, Court House, engr.

**Ia., Sioux City**—See "Unclassified."

**Kan., Ft. Scott**—Bourbon Co. made plans improving 2.993 mi. Federal Aid Project 339-A, 18 ft. B. Boyle, Ft. Scott, engr.

**Montana**—State Hy. Dept., Helena, making plans grading, etc., 5.6 mi. (3 units), Rocky Canyon Rd., Federal Aid Project 222, 24 ft., Gallatin Co. State Hy. Dept., engrs.

**Mo., Jackson**—Making preliminary plans grading, curbing and concrete, rein.-con. or asphalt paving 15,000 to 20,000 sq.yd. various streets. E. Flad & Co., 1312 Chemical Bldg., St. Louis, engrs.

**Mo., St. Louis**—See "Unclassified."

**Arkansas**—State Hy. Dept., Little Rock, making preliminary plans gravel surfacing 24.7 mi. Federal Aid Project 238, Clay Co., $250,000; 8.5 mi. Federal Aid Project 199, Arkansas and Prairie Counties, $80,000; 31.5 mi. Federal Aid Project 236, Garland, Hot Springs and Montgomery Counties, $325,000; and 18 mi. Federal Aid Project 239, Greene and Clay Counties, $200,000. R. C. Limerick, highway engr.

**Ark., Hot Springs**—Making preliminary plans grading, curbing and paving West Grand and Quapaw Aves., Pecan and Fern Sts., Dists. 88 and 89. G. C. Smith, City Hall, engr.

**Ark., Searcy**—Plans grading and concrete paving 11,200 sq.yd. Galloway, Spring and 4th Sts. $32,600. J. C. Baker, Searcy, engr.

**Tex., Beeville** — Bee Co. election soon $300,000 bonds, hard paving 35 mi. road from Skidmore to county line toward Mathis and into rural districts on lateral roads, etc. R. Harrison, Beeville, co. engr.

**Tex., Cuero**—DeWitt Co. election soon $1,500,000 bonds hard paving 68 mi. highway. S. Kulawik, Cuero, co. judge.

**Tex., Eldorado**—Schleicher Co. making plans grading and graveling 8 mi. Highway 4. $65,000. J. L. Neil, Eldorado, co. engr.

**Tex., Karnes City**—Karnes Co. making plans and takes bids within 30 days, rock asphalt paving 10 mi. San Antonio-Corpus Christi Highway, 18 ft. $100,000. O. N. Powell, Karnes City, co. engr. A. C. Love, Austin, highway engr.

**Tex., Kingsville** — Kleburg Co. making plans grading and 6 in. caliche paving 7 mi. Highway 12. $40,000. H. T. Field, Kingsville, div. highway engr.

**Tex., Kingsville**—Voted $125,000 bonds, paving various streets. Address Mayor.

**Tex., Kountze**—Hardin Co. made plans improving 1.8 mi. Highway 8 between Buna and Silsbee. $50,000. Address T. F. Teel, Kountze, judge.

**Tex., Olney** — Making plans paving various streets. $25,000. Montgomery & Ward, 545 Harvey Snider Bldg., Wichita Falls, engrs. Noted Apr. 1.

**Tex., San Saba** — San Saba Co. plans bituminous macadam paving 15 mi. Pecan Belt Highway. $200,000. S. J. Bross, San Saba, co. engr.

**Tex., San Antonio** — Bexar Co. making plans and takes bids within 60 days, hardsurfacing 9 mi. Castroville Rd., 18 ft. $200,000. A. C. Pancoast, 102 Turner St., co. engr.

**Tex., San Juan**—Election Apr. 27, $60,000 bonds, paving various streets. Engineer not selected.

**Tex., Slaton**—Voted $100,000 bonds, paving 18 blocks various streets. Montgomery & Ward, 545 Harvey-Snider Bldg., Wichita Falls, engr.

**Tex., Yoakum**—Lavaca Co. voted $250,000 bonds and State and Federal Aid granted $122,807 improving 24 mi. State Highway 21, etc. W. H. Koether, Yoakum, co. engr.

**Oklahoma**—State Hy. Dept., Oklahoma City, making preliminary plans grading, etc., 6 mi. State Highway 3, Caddo Co., $35,000; and concrete slab paving 52,810 sq.yd. State Highway 7, Oklahoma Co., $110,000. J. M. Page, highway engr.

**Okla., Braman** — Plans paving various streets. $60,000. H. E. Musson & Co., Grain Exch. Bldg., Oklahoma City, engrs.

**Okla., Waurika** — Jefferson Co. election soon $300,000 bonds improving Meridian Highway.

**Okla., Wewoka**—Plans grading and concrete paving 16,600 sq.yd. Peach, Mikosukey, and Orange Sts., also various alleys. $68,800 bonds voted. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

**Colo., Denver** — Plans grading, curbing and surfacing Harmon Impvt. Dist 2, $205,395; and East Denver Impvt. Dist. 9, $145,469. A. K. Vickery, City Hall, engr.

**Wash., Chehalis**—Comrs. Lewis Co. take bids about May 1, grading and macadam wearing surfacing 6.5 mi. Winlock-Napavine Highway, 16 ft. R. L. Greene, Chehalis, engr.

**Wash., Everett**—City Council takes bids about May 5, 28 ft. concrete paving Maple St. between Hewitt Ave. and 32nd St. $25,000. S. E. Paine, Everett, engr.

**California**—State Hy. Dept., Sacramento, made plans bituminous macadam paving 6.9 mi. road between San Juan and Hollister, San Benito Co. R. M. Morton, Forum Bldg., Sacramento, highway engr.

**Calif., El Centro**—Imperial Co. making preliminary plans 6 mi. macadam paving approximately 30 mi. road across Valley by way of Calexico, 18 ft. $500,000 or more. P. E. Kressly, H. W. Hellman Bldg., Los Angeles, engr. Noted Feb. 25.

**Calif., Los Angeles**—Bd. Pub. Wks. takes bids about May 26, curbing, guttering, sidewalks, sheet asphalt concrete and asphaltic concrete paving, etc., Ventura Blvd., 84th Pl., Adams, Erving, Date, Bartlett, Merchant and Hoover Sts., Western, Victoria, Ardmore and 4th Aves. To exceed $75,000. J. C. Shaw, City Hall, engr.

**Calif., Los Angeles** — Los Angeles Co., made plans improving portion Crocket Blvd. Co. Impvt. 366, 5,106 cu.yd. excav., 3,066 ft. curbing, 14,972 sq.ft. walks, 14,634 sq.ft. guttering, etc. To exceed $30,000. G. Jones, Hall of Records, co. engr.

**Calif., San Francisco**—San Francisco Co. plans to appropriate $450,000 funds, grading Bernal Cut. M. M. O'Shaughnessy, city engr.

## *Bids Desired*

**Vermont**—Apr. 20, at office Dept. Highways, Montpelier, one course rein.-con. paving, etc. 11,291 cu.yd. roads in towns of Pownal and Bennington, Federal Aid Project 73B. S. B. Bates, comr.

**Massachusetts** — Apr. 20, by Dept. Pub. Wks., Boston, bituminous macadam paving 12,200 ft. highway in Revere; rein.-con. paving 1,200 ft. in Swampscott, and 5,284 ft. in Agawam; bituminous concrete paving 4,400 ft. in Nantucket; also concrete bridge and approaches on 1,050 ft. highway in Billerica, $25,000. W. F. Williams, comr.

**Mass., Roxbury** (Boston P. O.)—Apr. 20, by Dept. Pub. Wks., Boston, recut granite block paving Blue Hill Ave from Quincy to Washington Sts., here. $25,000. J. H. Sullivan, secy.

**Rhode Island** — Apr. 21, by State Bd. Pub. Roads, State House, Providence, 250,000 gal. asphaltic oil or refined tar on certain sections state roads; adv. E. N.-R. Apr. 15.

**Conn., Hartford**—Apr. 20, by Bd. Contract & Supply, Mayors Office, City Hall, asphalt on concrete paving 920 sq.yd. Arch St., 7,800 sq.yd. Elm St., 4,800 sq.yd. Hudson St., 870 sq.yd. State St., 8,000 sq.yd. Blue Hill Ave., 10,000 sq.yd. Franklin Ave., 600 sq.yd. Connecticut Blvd. R. N. Clark, city engr. Noted Jan. 14.

**N. Y., Brooklyn** — Apr. 21, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and sidewalks on 55th St.; granite on concrete paving Waverly Ave.; grading, curbing, etc., Caton Pl., Rockaway Parkway, Avenue S, Georgia, Snyder and 21st Aves., East 34th, West 10th, 71st and East 31st Sts.; recurbing and permanent asphalt paving Colonial Rd., East 7th, Pulaski, West 9th, 59th, 72nd, East 31st Sts., Hegeman, Livonia, New York, 7th, Riverdale, Pennsylvania, 9th, 10th, 24th and 21st Aves., East 34th St. from Tilden to Beverly Rds., East 34th St. from Avenue I to Long Island R.R. tracks.

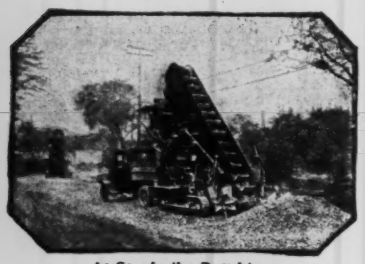
**N. Y., New York**—Apr. 16, by J. Miller, pres. Manhattan Boro, Municipal Bldg., granite block on concrete paving Madison and East 138th Sts.; grading and sheet asphalt on concrete repaving Bway.

**N. Y., New York**—Apr. 19, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing and flagging Payson Ave. from south building line of Beak St. to Seaman Ave.

**N. Y., St. George** — Apr. 20, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous macadam paving St. Marks Pl., and concrete sidewalks on New Dorp Lane.

# All-Around Ability

## Makes a HAISS Loader Your Best Buy



***At Stockpile, Batching Aggregates for Paving Mixer.***

For this work, Haiss Loaders are equipped with the Precision Strike-off Measuring Hopper.

***Excavating Fill Material for Culvert Building.***

The same Loader can be used for covering concrete pavement for curing—and later removing the covering.

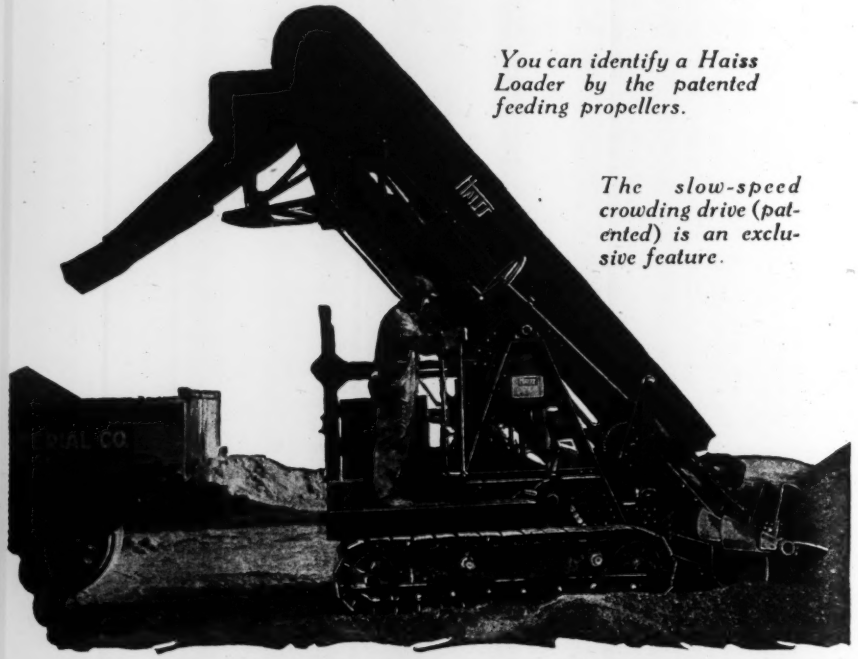
***Digging and Loading in Gravel Bank.***

The broad creeper treads need no planking. The feeding propellers do the digging. One man only—the operator.

***Grading Streets for Paving.***

When you invest in a Loader it's worth while to buy the HAISS Creeper and have a machine that has more than stockpile loading ability. Its much greater all-around usefulness makes the price difference a small item. You get it back many times over in extra work.

For instance, T. W. Gatch & Son, in Baltimore, have dug roads, gotten out bank gravel, loaded scarified macadam, dug and loaded piles of stone dust, handled crushed stone at quarry, and probably many other jobs — all with their HAISS Creeper Loader. Because it will do so many jobs well, it always has a job. If you are interested ***ask us to send you Catalog 523***— it is full of suggestions.



*You can identify a Haiss Loader by the patented feeding propellers.*

*The slow-speed crowding drive (patented) is an exclusive feature.*

**Manufacturer of**

**THE GEORGE**

**--Truck and-- Wagon Loaders**

**Portable Belt Conveyors**

**HAISS**

**140th Street and Rider Avenue, New York**

Representatives Throughout the World
Millars Timber & Trading Co., London, British Representative.
Cable Address "Coalhoist" New York—"Western Union 5 Letter Edition" Code

**Established 1892**

**MFG. CO. INC**

**Clam Shell -- Buckets --**

**Mat'l Handling Equipment.**

Streets and Roads (Continued)

**New Jersey**—May 3, by State Hy. Dept., Trenton, grading and rein.-con. paving 70,256 sq.yd. Whitehorse Pike, Route 3, Sect. 13A from Absecon to Egg Harbor, Atlantic Co.; and 32,807 sq.yd. Buttsville-Belvidere Highway, Route 5, Sect. 17, Warren Co. A. L. Grover, secy.; adv. E. N.-R. Apr. 15.

**N. J., Belvidere** — May 5, by Freeholders Warren Co., concrete paving 4.43 mi. Belvidere Pike from Harmony to Rockburg, $220,000. H. V. Vetter, Belvidere, engr.

**N. J., New Brunswick** — May 6, by Bd. Freeholders Middlesex Co., rein.-con. paving 23,455 sq.yd. Woodbridge-New Brunswick Turnpike, Woodbridge Twp. W. F. Buchanan, 175 Smith St., Perth Amboy, acting co. engr.; adv. E. N.-R. Apr. 15.

**Pennsylvania** — May 6 and 7, by State Hy. Comn., Harrisburg, grading, rein.-con. on broken stone paving, etc., approximately 64 mi. 20 projects in Allegheny, Beaver, Berks, Blair, Bucks, Dauphin, Jefferson, Luzerne, Mercer, Mifflin, Somerset, Susquehanna, Tioga and Westmoreland Counties. W. H. Connell, eng. executive and deputy secy. highways; adv. E. N.-R. Apr. 15.

**Pa., Westmont**—Apr. 19, by H. P. Shomo, secy. Boro Council, Green St., grading and concrete paving 15,000 sq.yd. Luzerne St.; and 12,700 ft. 8- to 24-in. terra cotta sewers in Luzerne St., Mencher Highway, etc. O. P. Thomas, Park Bldg., Johnstown, engr.

**Delaware**—Apr. 28, by State Hy. Dept., Dover, grading, etc., 1.3 mi. White Oak Rd. Addition, Contr. 62, and 2.3 mi. Gum Cross Rds.-Laurel Rd. Contr. 63; and grading and paving, etc., 1.9 mi. Smyrna-Wendalls Corner, Contr. CK34, and 4.966 mi., Concord-Hardscrabble, Contr. CS50; adv. E. N.-R. Apr. 15.

**Maryland**—Apr. 27, by State Rds. Comn., Baltimore, concrete paving Contr. G-32 Garrett Co., Contr. F-88 Frederick Co., and Contr. Wi-36, Wicomico Co.; grading Contr. G-30, Garrett Co.; macadam resurfacing Contr. F-87, Frederick Co.; graveling Contr. C-24, Calvert Co.; Concrete shoulders Contr. M-69 Montgomery Co., Contr. H-3-A Harford Co., and Contr. Ce-10-A, Cecil Co. J. N. Mackall, chn.; adv. E. N.-R. Apr. 15.

**Md., Baltimore**—Apr. 21, by Bd. Awards, sheet asphalt paving 16,700 sq.yd. Contr. 329, and 18,800 sq.yd. Contr. 330; concrete paving 15,300 sq.yd. Contr. 331, and 11,500 lin.ft. Contr. 332. S. Purcell, City Hall, highways engr.

**Fla., New Port Richey** — Apr. 20, by Burnes & Becker Realty Co., improving various streets, 19,000 sq.yd. lime rock paving and 18,000 ft. concrete curbing. $30,000.

**Miss., Shelby**—Apr. 27, by G. R. Roberts, mayor, and Bd. Aldermen, furnishing material and paving various streets. L. W. Mashburn, Shelby, and Southern Eng. Co., Clarksdale, engrs. Noted Nov. 26.

**Miss., Walthall**—Apr. 20, by Bd. Supervs. Webster Co., c/o Chancery Clerk, improving 3.632 mi. Federal Aid Project 157-B, 43,081 cu.yd. excav., 415 cu.yd. borrow, 39,899 lb. reinforcing, etc. H. C. Dietzer, Jackson, engr.

**O., Cleveland**—Apr. 21, by Comrs. Cuyahoga Co., paving Edgerton Rd. 6. $34,000. F. Lander, Court House, engr. Noted Dec. 31.

**O., Lewisville** — Apr. 24, by Village Council, grading, sewers, and slag surfacing Creamery St.; and grading, sewers, surfacing and curbing with slag and Kentucky rock asphalt North Malaga St. E. D. Keylor, clk. Noted Mar. 25.

**O., Marion**—May 1, by Comrs. Marion Co., widening and lowering road in front Harding Memorial site to conform to general landscaping scheme. $25,000-$30,000.

**Mich., Grand Rapids**—Apr. 20, by Kent Co., graveling 3.001 mi. Parnell-Murray Lake Rd., 16 ft.

**Mich., Hillsdale**—Apr. 23, by Hillsdale Co., graveling 4 mi. A. D. Rds. 14 and 15.

**Mich., Ionia**—Apr. 19, by Ionia Co., Class B graveling 2.57 mi. and Class B-9 graveling 12.572 mi. Ionia Co. Rd.

**Mich., Mt. Clemens**—Apr. 17, by Macomb Co., concrete paving 4.93 mi. A. D. Rd. 88.

**Ill., Flora** — Apr. 22, by City, curbing, guttering and paving 25,849 sq.yd. various streets. $110,388.

**Ill., Kewanee** — Apr. 19, by Bd. Local Impvts., J. H. Andrews, pres., grading, curbing, guttering and rein.-con., granite on concrete, brick, Warrenite or bitulithic paving 10,410 sq.yd. Lexington Ave., 1st and Park Sts. $45,972-$54,374. J. G. Palmer, City Hall. engr. Noted Feb. 25.

**Ill., Kewanee** — Apr. 19, by Bd. Local Impvts., J. H. Andrews, pres., grading, curbing, sewers and rein.-con., granite on rein.-con., brick or warrenite paving 1,390 sq.yd. George St., $5,800-$6,311; 2,520 sq.yd. Willow St., $10,348-$11,220; 2,160 sq.yd. Helmer St. and Columbus Ave. $8,887-$9,685; 4,360 sq.yd. Grove St., 25,000; and 2,430 sq.yd. Pine St., $10,239-$11,113. J. H. Palmer, City Hall, engr. Noted Jan. 14.

**Ill., Lawrenceville** — Apr. 26, by City Clerk, City Hall, grading, curbing and concrete paving 16,000 sq.yd. 15th St. R. J. Benefiel, Court House, engr. Noted Mar. 11.

**Ill., Peoria** — Apr. 19, by Bd. Local Impvts., City Hall, grading and rein.-con. paving 6 blocks Blaine St., 30 ft. $38,205. W. E. Bockes, City Hall, engr.

**Ill., Peoria** — Apr. 19, by Bd. Local Impvts., C. F. Barston, pres., grading, curbing and rein.-con. paving 8 blocks Greenlawn St., 30 ft. $44,482. W. E. Backes, City Hall, engr.

**Wisconsin**—Apr. 21, by State Hy. Comn., Div. Office 1, Capitol Bldg., Madison, improving 4.007 mi. Monroe-Juda Rd., Federal Aid Project 417-A, Green Co., 34,985 cu.yd. earth and 7,607 cu.yd. solid rock excav., 49,251 sq.yd. rein.-con. paving, etc.; 4.663 mi. same road, 64,494 cu.yd. earth and 6,490 cu.yd. solid rock excav., 48,560 sq.yd. rein.-con. paving, etc. J. T. Donaghey, ch. engr.

**Ia., Algona** — Apr. 22, at office Auditor Kossuth Co., grading, etc. Project S-63, 64, 65 and 66, 148,850 cu.yd. excav., etc. H. M. Smith, Algona, co. engr.

**Ia., Boone** — Apr. 21, at office Auditor Boone Co., gravel surfacing 60 mi. roads in Secondary Road Graveling Dists. J. A. Illman, Boone, co. engr.

**Ia., Sibley** — Apr. 20, at office Auditor Osceola Co., grading 14 mi. various roads. J. H. Turnbull, Sibley, co. engr.

**Ia., Sioux City**—Apr. 20, at office Auditor Woodbury Co., gravel surfacing 10.65 mi. Otto-Climbing Hill Rd. J. C. McLain, Sioux City, co. engr.

**Ia., Storm Lake** — Apr. 20, at office Auditor Buena Vista Co., grading, etc. Primary-Secondary Road Project 77, 47,253 cu.yd. excav.; and Project 78, 21,845 cu.yd. excav. A. H. Cunningham, Storm Lake, co. engr.

**Minn., Duluth**—Apr. 27, by F. W. Borgen, aud. St. Louis Co., grading, etc., 13 mi. North-Miller Trunk Rd. $200,000; and entrance of Miller Trunk Rd. from Duluth Heights to 6th Ave. at 9th St. $50,000. R. W. Acton, Duluth, co. engr.

**Kan., Lyons**—Apr. 29 (extended date), grading, concrete or brick paving, etc., 2.064 mi. Federal Aid Project 331-A. S. Ainsworth, Lyons, engr. Noted Mar. 25.

**Kan., Manhattan** — Apr. 30, by Clerk Riley Co., grading, curbing and vitr. brick paving 13,489 sq.yd. Federal Aid Project 327-A. A. J. Rhodes, Manhattan, co. engr.

**Neb., Omaha**—Apr. 20, by J. P. Hoctor, city clk., improving streets in Dists. 2583, 2793, 2819, 2946, 2979, 2994 and 2995. H. Beal, City Hall, engr.

**South Dakota** — Apr. 27, by State Hy. Comn., Pierre, **(F. A. P. means Federal Aid Project, and S. A. P. means State Aid Project)**, grading approximately 270,000 cu.yd. F. A. P. 158-B Clay Co., 54,000 cu.yd. F. A. P. 187-E Gregory Co., 90,000 cu.yd. F. A. P. 194-B, Hand Co., 175,000 cu.yd. F. A. P. 185-F Jones Co., 160,000 cu.yd. F. A. P. 162-C Jackson Co., 100,000 cu.yd. S. A. P. 133 Minnehaha Co., 88,000 cu.yd. F. A. P. 191-E Kingsbury Co., 100,000 cu.yd. F. A. P. 184-C Brule Co., 105,700 cu.yd. F. A. P. 181-B Potter Co., and 61,600 cu.yd. F. A. P. 181-D Dewey Co., 95,000 cu.yd. F. A. P. 183-B, Spink Co.; graveling, etc., approximately 16,700 cu.yd. F. A. P. 161 Hanson Co., 16,400 cu.yd. F. A. P. 166 McCook Co., and 16,400 cu.yd. F. A. P. 15 Lawrence Co. J. C. Botterman, Pierre, highway engr.

**North Dakota** — Apr. 27, by State Hy. Comn. and Comrs. Morton Co., Court House, Mandan, grading, etc., 14 mi. Federal Aid Project 305-A. C. Christensen, highway comr.

**North Dakota** — Apr. 28, by State Hy. Comn. and Comrs. Stark Co., Court House, Dickinson, **(F. A. P. means Federal Aid Project)**, grading, etc., 7.838 mi. F. A. P. 260-C; 9.618 mi. F. A. P. 283-B; and 3.801 mi. F. A. P. 260-D. C. Christensen, highway comr.

**North Dakota** — Apr. 29, by State Hy. Comn. and Comrs. Billings Co., Court House, Medora., grading, etc., 16 mi. Federal Aid Project 283-C, and 4.406 mi. Federal Aid Project 307-B. C. Christensen, highway comr.

**North Dakota**—Apr. 30, by State Hy. Comn. and Comrs. Golden Valley Co., Court House, Beach, grading, etc., 12.15 mi. Federal Aid Project 307-A. C. Christensen, highway comr.

**North Dakota** — May 4, by State Hy. Comn. and Comrs. Nelson Co., Court House, Lakota, grading, etc., 5 mi. Federal Aid Project 309-C, and 10.85 mi. Federal Aid Project 294-B. C. Christensen, highway comr.

**North Dakota** — May 5, by State Hy. Comn. and Comrs. Cavalier Co., Court House, Langdon, grading, etc., 6 mi. Federal Aid Project 292-A. C. Chirstensen, highway comr.

**North Dakota** — May 6, by State Hy. Comn. and Comrs. Pembina Co., Court House, Cavalier, grading, etc., 10 mi. Federal Aid Project 292-B, and 11 mi. Federal Aid Project 324. C. Christensen, highway comr.

**North Dakota** — May 7, by State Hy. Comn. and Comrs. Walsh Co., Court House, Grafton, grading, etc., 8.865 mi. Federal Aid Project 322-A, and 10 mi. Federal Aid Project 293-B. C. Christensen, highway comr.

**Missouri**—Apr. 30, by State Hy. Comn., Jefferson City, concrete paving 4 mi. State and Federal Aid Project, Jackson Co., 18 ft. H. M. Bush, Kansas City, div. engr.

**Mo., Kansas City** — Apr. 22, by Clerk Jackson Co., concrete paving, etc., 20,257 sq.yd. various roads. L. Koehler, Kansas City, engr.

**Texas** — Apr. 29, by State Hy. Comn., Austin, clearing grubbing, bridging and grading 15.067 mi. Highway 43, Federal Aid Project 494-A, 26 ft. $140,000. A. F. Mitchell, Cameron, co. engr.

**Tex., Boston** — Bowie Co. taking bids grading, bridging and gravel surfacing 6.963 mi. Highway 89, State Aid Project 644. $60,000. F. E. Hess, Boston, engr.

**Tex., Clarendon**—Devlin Eng. Co., engrs., c/o Central Bldg., Amarillo, taking bids and opens same about Apr. 30, hard paving 10,000 sq.yd. various streets, for City. $175,000.

**Tex., Dallas** — Apr. 22, by C. E. Gross, aud. Dallas Co., grading, bridging and macadam paving 0.4 mi. Cedar Hill Rd., State Aid Project 514-B, 18 ft. $26,500. R. H. Clinger, Dallas, co. engr.

**Tex., Henderson**—Rusk Co. taking bids grading, bridging, and iron ore surfacing 4.877 mi. Highway 26-A. $42,000. C. R. Newton, engr.

**Tex., Henderson**—Rusk Co. taking bids grading, bridging and iron ore surfacing 3.522 mi. Highway 64, State Aid Project 648. $36,500. C. R. Newton, Henderson, engr.

**Tex., Hondo** — Apr. 27, by Walton & Arneson, engrs., c/o Gunter Bldg., San Antonio, 1 in. bituminous surfacing 11.55 mi. Highway 3, Sect. A, $75,000; 1.56 mi. same road Sect. B, $26,000; 10.47 mi. same road Sect. C, $70,000; 7.85 mi. same road Sect. D, $40,000 3.26 mi. same road Sect. E, $28,000, all foregoing 18 ft., for Medina Co.

**Tex., Galveston**—Apr. 27, by City, improving Sea Wall Blvd., 11,140 yd. brick paving 3,889 yd. sidewalk, 3,820 ft. 8 x 22 ft. concrete curb, 3,965 ft. 9 x 36 in. concrete curb, 612 ft. 9 x 12 in. curb, 199 yd. sand cushion, etc. $45,000. C. C. Washington, Galveston, engr.

**Okla., Pryor**—May 3, by T. J. Harrison, grading and 6 in. concrete paving 20,187 sq.yd Main St. $67,000. F. C. Seattle, city engr.; adv. E. N.-R. Apr. 15. Noted Jan. 7.

**Nevada**—Apr. 21, by State Hy. Comn., Carson City, **(R. means Route)**, grading, graveling, etc., 11,700 cu.yd. Wells-Moor Rd., R. 1, Sect. E-2, 4,200 cu.yd. Pequop Summit Rd., R. 1, Sects. E-1 and F, and 4,000 cu.yd. Elko-Silver Zone Rd., R. 1, Sect. G-2, all in Elko Co.; 9,400 cu.yd. Frenchmans-Westgate Rd., R. 2, Sect. E-2, Churchill Co.; and 11,800 cu.yd. road from Holbrook north and south, R. 3, Sects. A-1 and 2, Douglas Co. G. W. Borden, highway engr.

**Arizona** — Apr. 26, at office W. C. Lefebvre, ch. engr., State Hy. Dept., Phoenix, 2 in. asphalt bituminous or concrete on 4 in. bituminous paving, etc. 42,400 sq.yd. Federal Aid Project 82-A, Yuma-Gila Bend Highway.

**Washington** — Apr. 27, by State Hy. Comn., Olympia, **(S. R. means State Road)**, grading, etc., 7.6 mi. S. R. 8, Yakima Co.; concrete paving, etc., 6.3 mi. S. R. 9, Federal Aid Project 138-B, Clallam Co., and 5.3 mi. S. R. 2, Federal Aid Project 142-C, King Co.; also crushed rock resurfacing, etc., 7,300 cu.yd. S. R. 12, Lewis and Pacific Counties; and constructing substructure for Yakima River Bridge on S. R. 3, incl. two 23 ft. wing wall abutments, one 30 ft. pier, 450 cu.yd. rein.-con., etc. J. W. Hoover, Olympia, ch. engr.

**Wash., Chehalis** — Apr. 23, by Comrs. Lewis Co., improving 5 mi. Onalaska Rd., Permanent Highway 14, 25,000 cu.yd. excav., 12,000 cu.yd. sta. overhaul, 11,000 cu.yd. crushed gravel surface, etc. $40,000. R. L. Greene, Chehalis, engr.

**Wash., Seattle**—Apr. 26, by Comrs. King Co., grading, etc., 11,000 cu.yd. Permanent Highway 41. $95,000. T. R. Beeman, Seattle, engr.

**California**—Apr. 26, by State Hy. Dept., Sacramento, asphaltic concrete surfacing and widening 2.8 mi. road between point 1 mi. south of Delano and northerly boundary, Kern Co. R. M. Morton, Forum Bldg., Sacramento, engr. Noted Apr. 8.

**Calif., Inglewood** — O. H. Duelke, city clk., taking bids improving Lime St. between Oak and Cedar Sts., 97,040 sq.ft.

Streets and Roads (Continued)

grading, 15,170 sq.ft. oiled roadway, 39,880 sq.ft. 5 in. oil macadam paving, etc. W. Peffer, city engr.

**Calif., Los Angeles**—Bd. Pub. Wks. taking bids 10 in. concrete paving, etc., 174,500 sq.ft. east half of Cahuegna Pass Rd. Noted Mar. 25.

**Calif., San Carlos** — Apr. 26, by Town Trustees, improving various streets, 5,000 cu.yd. excav., 60,000 sq.ft. 6 in. waterbound macadam paving 175,000 sq.ft. 2 in. asphaltic concrete surfacing, 56,500 sq.ft. 6 in. concrete paving, etc. G. A. Kneese, Courthouse, Redwood City, engr.

## *Bids Received*

**R. I., Warwick** — Metropolitan Park Comn., Providence, Apr. 3, improving 1.6 mi. Narragansett Parkway from Spring Green Rd. to Bayside Ave. here, from Warren Landscape & Eng. Co. Warwick Neck, Warwick, gravel $23,603; and from New Haven Road Constr. Co., 70 Hill St., New Haven, Conn., macadam $61,468. Noted Apr. 1.

**Connecticut** — J. A. Macdonald, comr. State Hy Dept., Hartford, Mar. 30, rein.-con. paving, etc., 28,718 ft. Middletown-New Haven Rd. in Middletown and Durham, from F. Arrigoni & Son, Inc., 624 Main St., Middletown, $214,647, 1,650 ft. Broad Brook-Ellington Rd. in West Windsor, from Lane Constr. Co., 37 Colony St., Meriden, $11,097, and 19,316 ft. Willimantic-Putnam Rd. in Chaplin and Windham, from J. Arborio, 59 Center St., New Haven, $137,141; 7 in. native stone macadam paving 25,000 ft. Hartford-Tolland Turnpike in Vernon and Tolland, from E. L. Gobeille Inc., 1147 Main St., Worcester, Mass., $86,641; grading, etc., 8,380 ft. Boston Post Rd. in Guilford, from A. G. Bianchi & Co., 98 Lincoln Park, Longmeadow, Mass., $33,837; grading and approaches on Old Saybrook Grade Crossing elimination in Old Saybrook, from L. E. McLaughlin, 200 Jefferson Ave., New London, $53,614; grade crossing elimination in Plainfield, from J. Lorrenzi, 7 Main St., Leominster, Mass., $36,658; and 12 ft. span rein.-con. box culvert and grading in South Main St. in Windsor Locks, from A. DeMarco, 59 East Main St., Plainville, $19,433.

**N. Y., Brooklyn** — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Apr. 7, sheet asphalt repaving Utica Ave., etc. and in various streets damaged by subsurface work, from Uvalde Asphalt Paving Co., 1 Bway., New York City, $24,689 and $15,750 respectively; granite repaving Myrtle Ave., and Washington St., etc., from Leonard Paving Co., 233 Bway., $122,121; asphalt resurfacing by heater method various streets, from Cranford Co., 52 9th St., $195,574; and asphalt repaving Pierrepont St., from Sicilian Asphalt Paving Co., 41 Park Row, New York City, $2,396. Noted Apr. 1.

**N. Y., New York**—W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Apr. 8, from Asphalt Constr. Co., 208 Bway., granite block paving St. Ann's Ave. $161,806, St. Anns Ave., Rae St., etc., $99,716, East 163rd St. $108,203, Bergen Ave. $30,028, and Kingsbridge Rd. $95,424, from J. Meehan & Son, 90 West St., Ogden Ave. 131,041, from St. George Paving Co., 90 West St., East 149th St. $33,786; from Burnside Contg. Co., 270 Burnside Ave., asphalt block repaving East 167th St. $48,715. Noted Apr. 1.

**N. Y., St. George** — J. A. Lynch, pres. Richmond Boro, Boro Hall, Apr. 9, repaving Hylan Blvd., from Vanbro Constr. Corp., 24 Elizabeth St., West New Brighton, $121,997. Noted Apr. 8.

**New Jersey**—State Hy. Comn., Trenton, Apr. 12, grading and rein.-con. paving Route 2, Sect. 9, Pensauken Creek to Union Schoolhouse, Camden Co., from W. Eisenberg, Smith-Austermuhl Blk. Camden, $106,134; Route 17, Sect. 1 from Hackensack to Rutherford, Bergen Co., from H. Shapiro Constr. Co., Inc., Albany, N. Y., $165,930. Noted Apr. 1.

**Maryland**—State Rds. Comn., Baltimore, concrete shoulders on 5 mi. Contr. K-1-A, Kent Co., from Kaufman Contg. Co., Denton, $25,536. 5 mi. Contr. B-20-C, Baltimore Co., from H. T. Campbell Sons Co., Towson $38,950, and 6.5 mi. Contr. A-2-C Allegany Co., from S. T. Brotemarkle, Cumberland. $43,510; concrete paving 1.2 mi. Contr. WO-46, Worcester Co., from Hanneman-Burroughs Co., Salisbury $31,770, 2.35 mi. Contr. D-29, Dorchester Co., from Layfield & Waller, Quantico $39,391, 0.78 mi. Contr. H-41, Harford Co., from Sutton Contg. Co., Phila., Pa. $26,013, and 1.43 mi. Contr. CL-60, Carroll Co., from Adams & Marino, Old Town Bank Bldg., Baltimore, $46,149. Noted Mar. 25.

**Maryland**—State Rds. Comn., Baltimore, Mar. 30, concrete paving 2.27 mi. Contr. B-67, Baltimore Co. from H. T. Campbell & Sons Co., Towson $52,877, 1 mi. Contr. Q-35 Queen Annes Co., and 0.95 mi. Contr. CO-38, Caroline Co., from P. D. Phillips, Salisbury, $16,836 and $15,164 respectively; 0.91 mi. Contr. AA-46, Anne Arundel Co., from Ward & O'Connell, New Amsterdam Bldg., Baltimore $15,029, and 1.7 mi. Contr. S-25, Somerset Co., from Roberts Paving Co., Salisbury $59,447; concrete shoulders on 7.33 mi. Contr. B-15-A, Baltimore Co. from Catalano & Picora Contg. Co., Knickerbocker Bldg., Baltimore $45,628, and 6.8 mi. Contr. F-5-B, Frederick Co., from E. C. Valentine, Rocky Ridge, $50,578.

**Md., Baltimore**—Bd. Awards, sheet asphalt paving 12,530 sq.yd. Contr. 323, from P. Flanigan & Sons, Harford Rd. and Baltimore and Ohio R.R. tracks $61,140, and 10,900 sq.yd. Contr. 324, from Baltimore Asphalt Block & Tile Co., 1320 Monroe St. $52,391; also concrete paving 5,570 sq.yd. Contr. 325, from Arundel Constr. Co., Knickerbocker Bldg., $15,993. Noted Apr. 8.

**Md., Towson**—Comrs. Baltimore Co., concrete paving 1.05 mi. roads in Group 4, Mace and Chesaco Aves., from P. Reddington & Sons, 2 East Lexington St., Baltimore, $26,271. Noted Apr. 8.

**North Carolina**—State Hy. Dept., Raleigh, Mar. 30, grading, concrete or asphalt paving etc., 13.73 mi. Project 550, Hoke Co., from R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh $266,402, 9.66 mi. Project 4350, Granville Co., from Gregory & Wiesiger, Pittsboro $252,612, 4.76 mi. Project 9060, Buncombe Co., from R. C. Stevens, Asheville $146,784, 5.41 mi. Project 886, Rutherford Co., from Wilson Constr. Co., Rutherfordton $172,166, 7.65 mi. Project 112, Camden Co., from Lawrence & Brooks, Norfolk, Va. $229,659, and 6.04 mi. Project 6690, Rowan Co., from R. Martin Co., Salem, Va. $148,444; clearing, grubbing, grading, etc., 11.55 mi. Project 244, Jones Co., and 8.34 mi. Project 135, Halifax Co., from N. L. Teer, Durham, $87,012 and $43,998 respectively, 13.36 mi. Project 685, Stanly Co., from Atlantic Paving Co., Salisbury $72,540, 11.11 mi. Project 591, Rockingham Co., from G. F. Cornatzer, Winston-Salem $55,727, 10.51 mi. Project 398, Robeson Co., from H. M. Beaseley, Lumberton $40,099, and 11.51 mi. Project 480, Wake Co., from C. B. Hester, Greensboro $50,634; clearing, grubbing and topsoiling, etc., 7.6 mi. Project 574, Montgomery Co., from J. K. Cecil, Lexington, $39,247. Noted Mar. 18.

**Louisiana**—State Hy. Dept., Baton Rouge, Apr. 6, graveling 3.025 mi. Hammond-New Orleans Highway, State Project 127 E, St. John the Baptist Parish, from W. C. Perry, Baton Rouge, $162,771. Noted Mar. 11.

**Tenn., Knoxville** — City, F. A. Ault, recdr., Mar. 31, paving various streets, from Murray Constr. Co., 531 South Gray St., $226,535; curbing, guttering, sidewalks on various streets, from Flenniken Constr. Co., Knoxville, $78,371. Noted Mar. 18.

**O., Cincinnati** — Comrs. Hamilton Co., Apr. 2, **(e. e. means engrs. est.)**, from Pickelheimer & Sloan, 406 Palace Theatre Bldg., grading and tar bound macadam repaving 16,900 sq.yd. State Rd. $35,960 e. e. $39,835, and 14,400 sq.yd. Old Indian Hill Rd. $30,603 e. e. $33,630; from J. S. Sloan, 2312 Mound Ave., Norwood, 10,400 sq.yd. Creek Rd. $21,800 e. e. $25,000, 31,200 sq. yd. Plainfield Rd. $64,823 e. e. $73,000, and 20,000 sq.yd. Deerfield Rd. $42,380 e. e. $48,810. Noted Mar. 25.

**Ind., Evansville** — Making surveys and estimates probably sheet asphalt paving Hartz Ave. and Mary St. $50,000-$60,000. G. Pfafflin, city engr.

**Ill., Decatur**—Bd. Local Impvts., Mar. 31, grading, curbing and asphalt paving 7 blocks East Eldorado St., 40 ft., from Birt & Driscoll, Citizens Bank Bldg., $53,740. Engrs. est. $49,237. Noted Jan. 14.

**Illinois**—State Dept. Highways & Pub. Wks., Springfield, Mar. 31, concrete paving 7.3 mi. Route 16 Sects. 23- and 23-T, Macoupin and Madison Counties, from W. F. Smith Co., Rennsalaer, Ind., $122,486, 0.75 mi. Route 9, Sect. 30, Hancock Co., from Cameron, Joyce, Smith & Eddie Co., Keokuk, Ia., $16,370, 7.39 mi. Route 31, Sect. 14, Schuyler Co., from M. Hayes & Sons, 209 South La Salle St., Chicago, $150,717, 4.06 mi. Route 31, Sect. 17, Fulton Co., from H. A. Carpenter, Brazil, Ind., $114,826, 0.38 mi. Route 16, Sect. 12-X, Shelby Co., from W. F. Sell, Pana, $7,693, 17.86 mi. Route 40, Sects. 10 and 11, Jo Daviess Co., from Harnson Eng. & Constr. Co., Kansas City, Mo., $349,998, 0.53 mi. Route 19, Sect. 86-W-2, Cook Co., from I. I. Dunnegan Constr. Co., Shenandoah, Ia., $11,966, 5.6 mi. 38, Sect. 6, Jersey and Green Counties, from G. A. Hackett, Decatur, $118,010, concrete paving and 4 ft. widening 17.98 mi. Route 30, Sects. 1, 2, 7 and 8, Peoria Co., from Harrison Eng. & Constr. Co., 506 Mutual Bldg., Kansas City, Mo., $344,629, all above 18 ft.; 3 ft. widening 0.11 mi. Route 4, Sect. D-2, Macoupin Co., from Edwardsville Constr. Co., Edwardsville, $576; grading 3.38 mi. Route 38, Sect. 3-A, Jersey Co., and 0.5 mi. Route 12, Sect. 17-V-1, Marion Co., from Smith Bros. Constr. Co., Decatur, $32,142 and $18,848 respectively, 1.36 mi. Route 1, Sect. 42-A, Saline Co., from Keeting Bros., Auburn, $15,781, and 0.64 mi. Route 12, Sect. 13-A, Jackson Co., from Hamilton Hoffman Constr. Co., Carbondale, $16,794. Noted Mar. 18.

**Wisconsin**—State Hy. Dept., at Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, Apr. 1, grading, concrete paving, etc., 27,106 sq.yd. Federal Aid Project 351-B, Green Lake Co., from Wausau Iron Wks., Wausau, $94,818. Noted Mar. 25.

**Wis., Wauwatosa**—Bd. Pub. Wks., A. Brigham, secy., Apr. 2, 30,700 ft. rein.-con. paving, etc., North Ave. between Swan Rd. and Spring Ave., from Jacobus & Winding Constr. Co., 1 State St., $78,053. Noted Mar. 25.

**Minn., St. Paul** — A. E. Eggert, city purch. agt., Mar. 30, oil asphalt paving Hamline Ave. between Hewitt and University Aves., and Burr St. between Collins and Jenks Sts., from Hanlon & Oakes, 1501 Merchants Natl. Bank Bldg., $32,643 and $37,600 respectively. Noted Mar. 25.

**Kan., Holton**—Clerk Jackson Co., grading 11.855 mi. Federal Aid Project 294-A, B, C, D and E, from Tibbets & Tibbets, Kansas City, $49,174. Noted Mar. 4.

**Missouri** — State Hy. Comn., Jefferson City, Mar. 19, from Hamilton Hoffman Co., Carbondale, Ill., grading 4.455 mi. road from La Plata north and south $2,569, 4.17 mi. road from La Plata south $2,035, both in Macon Co., 2.924 mi. Millard-La Plata Rd. $1,350, 2.879 mi. Lancaster-Macon Rd. $1,382, both in Adair Co., from Metropolitan Paving Co., St. Joseph, 1.095 mi. Stanberry-Albany Rd., Gentry Co. $4,803, from McMeneeley Co., Decatur, Ill., 4.919 mi. Mercer-Princeton Rd. $2,903, 2.695 mi. Princeton-Trenton Rd. $1,784, and 2.476 mi. Mercer-Lineville Rd. $1,578, all in Mercer Co., from W. P. McGeorge & Co., Pine Bluff, Ark., 4.445 mi. road from Washington south, Franklin Co. $23,132, 3.191 mi. road from Fulton north, Callaway Co. $18,847, and 3.199 mi. same road $24,652, from J. L. Wells Co., Rock Island, Ill., 3.92 mi. La Plata-Macon Rd., Macon Co. $10,434, and 3.796 mi. same road $12,025, from S. J. Groves & Sons Co., Minneapolis, Minn., 4.949 mi. road from Ava east $57,222, 4.583 mi. road from Ava north $35,157, both in Douglas Co., 1.764 mi. road from Brule west, Iron Co. $42,514, grading and 9 ft. concrete paving 4.053 mi. Iowa State Line-Bethany Rd. $47,922, and 4.025 mi. same road $50,776, all in Harrison Co.; from J. M. Roarke & Son, Anderson, 30 ft. grading 4.887 mi. Cass Co. Line-Adrian Rd. $25,895, and 3.75 mi. Kansas City-Joplin Rd. $14,242, both in Bates Co., from Carter-Harlarr Constr. Co., West Plains, 4.886 mi. Cabool-Howell Rd., Texas Co. $42,965, from Winstead & Gunter, Siloam Springs, Ark., 4.072 mi. Adrain-Butler Rd. $18,176, and 3.553 mi. road from Butler north and south $12,761, both in Bates Co., from M. E. Gillioz, Monett, 4.369 mi. Clever-Nixa Rd., Christian Co. $52,911, from L. W. Spengler, Kansas City, 0.734 mi. Boonville-Bellair Rd., Cooper Co. $6,532, from N. C. Cossota & G. A. Nichols, Oklahoma City, Okla., 4.136 mi. road from Warrensburg north, Johnson Co. $35,073, from C. I. Williams, Monett, 4.142 mi. Clever-Nixa Rd., Christian Co. $22,487; from J. R. Burner, Oblong, Ill., 18 ft. gravel surfacing 4.243 mi. Fair Play-Humansville Rd., Polk Co. $24,459, from C. K. Kost, Joplin, 3.769 mi. Pomona-West Plains Rd., Howell Co. $10,636, 3.802 mi. same road $11,707, 4.109 mi. road from West Plains west, Howell Co. $8,462, and 3.563 mi. Pomona-West Plains Rd., Howell Co. $13,938, from Hannibal Constr. Co., Hannibal, 4.253 mi. road from Canton north, Lewis Co. $42,382, and 4.034 mi. same road $30,775, from H. A. Worman, Pittsfield, Ill., 4.318 mi. Brunswick-Keytesville Rd., Chariton Co. $6,362, and 2.06 mi. same road $7,361; from C. L. Johnson, Warrensburg, 18 ft. chat surfacing 2.419 mi. road from Ash Grove west, Greene Co. $38,198; from Des Moines Asphalt Paving Co., 2nd and New York Sts., Des Moines, Ia., 9 ft. concrete paving 2.695 mi. Princeton-Trenton Rd. $16,898, 2.476 mi. Lineville-Mercer Rd. $15,428, and 4.919 mi. Mercer-Princeton Rd. $30,649, all in Mercer Co., from Joseph Kesl & Sons, Edwardsville, Ill., 3.796 mi. La Plata-Macon Rd., $22,651, 2.92 mi. same road $23,391, and 4.17 mi. road from La Plata south, $24,883, all Macon Co., from P. Simons, Quincy, Ill., 2.924 mi. Millard-La Plata Rd. $17,369, and 2.879 mi. Lancaster-Macon Rd. $17,100, both Adair Co., also 9 and 18 ft. concrete paving 4.455 mi. road from La Plata north and south, Macon Co. $29,853; from Robertson, Carmen Constr. Co., Caruthersville, 18

Streets and Roads (Continued)

ft. concrete paving 3.199 mi. road from Fulton north, Callaway Co. $38,233, from C. H. Atkinson Paving Co., Watertown, S. D., 1.095 mi. Stanberry-Albany Rd., Gentry Co. $16,130, from Harrison Eng. & Constr. Corp., 506 Mutual Bldg., Kansas City, 4.445 mi. road from Washington south, Franklin Co. $56,775, from E. J. Eiff Co., Quincy, Ill., 3.101 mi. road from Fulton north, Callaway Co. $36,686, and from Dubois & Co., Pittsburg, Kan., 1.12 mi. Lamar Rd., Route 1, Barton Co. $17,647, also grading 1.12 mi. same road $12,874. Noted Mar. 11.

**Tex., Huntsville** — Grading and bridging 17.27 mi. Highway 45, State Aid Project 664-B, from Smith-Boyette Co., Bryan, $74,016. Noted Mar. 11.

**Wash., Seattle**—Bd. Pub. Wks., Mar. 26, grading, etc., 35,000 cu.yd. Alaska St., from J. Otteson Co., Inc., 2523 32nd St. S., $29,555; and concrete paving, etc., 32nd Ave. N. W. et al, from Fiorito Bros., 3950 6th St. N. W., $110,875.

**Calif., Los Angeles** — From Brockman & O'Brien, 1556 Murray Ave., improving Fargo St. between Alvarado and Allesandro Sts., grading $14,900, 98,580 sq.ft. 5 in. concrete paving $0.205 per sq.ft., etc., total $51,870; from J. M. Shull, Riverside, 70th St. between Hoover and Vermont Aves., grading $1,900, 115,478 sq.ft. concrete paving $0.16 per sq.ft., etc., total $31,250.

**Calif., Los Angeles** — Supervs. Los Angeles Co., Mar. 29, curbing, guttering, walks and grading 3,851 cu.yd. portion of Ocean Ave., Co. Impvt. 416, from G. H. Oswald, 366 East 58th St., $37,452; grading 6 and 8 in. concrete paving, etc. portions of College and Ocean Aves., from G. R. Curtis, 2440 East 26th St., $105,385. Noted Mar. 18.

**Calif., San Diego**—Common Council, Apr. 5, from Griffith Co., 25 14th St., improving Arch St., Monroe and Meade Aves., 143,565 sq.ft. 4 in. Warrenite paving $0.188 per sq. ft., 14,661 sq.ft. concrete sidewalk $0.215, 2,438 lin.ft. concrete curbing $0.65, etc., total $38,373. Noted Feb. 4.

**Alta., Calgary**—See "Contracts Awarded."

## *Contracts Awarded*

**N. J., Trenton**—Mercer Co., Courthouse, cold application of tar, etc. approximately 50 mi. various roads, to Good Roads Co., Upper Darby, Pa., $27,214. Noted Apr. 8.

**Pennsylvania**—State Hy. Comn., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving, etc., 5,306 sq.yd. R. 44, A. 13933, Adams Co., to W. Grant Raub, Red Lion, $19,338, 16,766 sq.yd. A. 2642, Beaver Co., to D. W. Challis & Sons, Sewickley, $67,810, 41,708 sq.yd. R. 235, A. 2860, Columbia Co., to Lane Constr. Co., 37 Colony St., Meriden, Conn., $220,748, 17,309 sq.yd. A. 3794 and 3525, Jefferson and Clearfield Counties, to Metzger-Kirkpatrick & Wallis, Emporium, $62,245, and 25,536 sq.yd. A. 3855, Dauphin Co., to Swanger & White, Lebanon, $100,844; also grading, etc., 86,300 cu.yd. R. 219, Sect. 3, Clearfield and Canter Counties, to Edwards Dunn Co., Greensburg, $116,747. Grand total $587,732. Noted Apr. 1.

**Maryland**—State Hy. Comn., Baltimore, concrete paving 2.69 mi. Contr. HO-41, Howard Co., to M. J. Grove Lime Co., Lime Kiln, $54,225, 0.91 mi. Contr. AA-46, Anne Arundel Co., to Ward & O'Connell, New Amsterdam Bldg., Baltimore, $15,029, 0.95 mi. Contr. CO-38, Caroline Co., and 1 mi. Contr. Q-35, Queen Anne's Co., to P. D. Phillips, Salisbury, $15,164 and $16,836 respectively, 1.7 mi. Contr. S-25, Somerset Co., to Roberts Paving Co., Salisbury, $59,447, and 2.27 mi. Contr. B-67, Baltimore Co., to H. T. Campbell & Sons Co., Towson, $52,877; concrete shoulders on 7.35 mi. Contr. B-15-A, Baltimore Co., to Catalano & Picora Contg. Co., Knickerbocker Bldg., Baltimore, $45,628, and 5.33 mi. Contr. M-1-A, Montgomery Co., to Gosnell, Russell Co., Frederick, $36,188. Grand total $295,394. Noted Mar. 18.

**Md., Baltimore** — Flushing surfaces of roads and streets during year 1926, to J. Gibbons, 2709 Allendale Ave. $50,100.

**Md., Baltimore** — Sheet asphalt paving 18,500 sq.yd. Contr. 317, to P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R. tracks, $84,423; 9,080 sq.yd. Contr. 318, to Amer. Paving Co., Montebello Ave., $45,680; 12,400 sq.yd. Contr. 319, to Arundel Contg. Co., Knickerbocker Bldg., $33,692. Grand total $163,795. Noted Apr. 1.

**W. Va., Huntington** — Cabell Co., to Harrison & Dean, Old Walton Bldg., concrete paving 1.1 mi. Long Branch Rd., Project 15 $29,560, 1 mi. Mt. Union Rd., Project 14 $29,102, also 1.95 mi. McCoy Rd. and Norway Ave., Projects 13 and 16 $45,780; to Hatfield Constr. Co., 418½ 10th St., 2.5 mi. Prices Cook-Wayne Co. line Rd., Project $12, $82,714, all 16 ft. Noted Mar. 11.

**North Carolina** — State Hy. Dept., Raleigh, clearing, grubbing, grading, etc., 11.51 mi. Project 664, Richmond Co., to W. C. Carter, Mebane, $79,545. Noted Feb. 18.

**Fla., Groveland**—Brick paving 28 blocks various streets, to J. B. McCrary Co., Citizens & Savings Bank Bldg., Atlanta, Ga., $111,393.

**Miss., Biloxi**—Bd. City Comrs., asphaltic concrete and sheet asphalt paving Bay View Terrace, 1st, 2nd, West George, Sartini, Thelma, St. Charles, St. John and St. Peter Sts., Father Ryan, Wilkes and Forest Aves., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $474,943; concrete paving Hopkins St. and Collins Ave., to A. H. Alvis, New Orleans, La., $8,136. Noted Mar. 11.

**Miss., Louisville** — Grading, curbing, guttering, sewers and brick on concrete paving 8,500 sq.yd. various streets, to Merrill Eng. Co., Jackson, $30,000.

**Ohio**—Dept. Hys. & Pub. Wks., Columbus, grading and brick on concrete paving, etc. 4.709 mi. Sect. "A" Cleveland-West Richfield Rd. 20 ft., to Steudebaker & Son, Greenville, $255,104. Noted Apr. 1.

**O., Cleveland**—Comrs. Cuyahoga Co., improving Mackenzie Rd. 2, 6,800 lin.ft. concrete curbing, 6,800 lin.ft. 4 in. tile drain gutter, 2,300 cu.yd. earth excav., and 6,800 sq.yd. concrete paving, to Good Constr. Co., Leader-News Bldg., $24,507.

**Mich., Mason**—Ingham Co., 16 ft. gravel surfacing 3.506 mi. Alaidon-Meridian Rd. 6, to Sadler & Rector Co., Williamston, $28,420.

**Mich., River Rouge** (br. Detroit)—For 8 in. vibrolithic paving 60,000 sq.yd. Anchor St., Visger, Bromley, Morrow, Holford, Frazier, Campbell, and Brownlee Aves., to R. J. Powelson Co., 6530 Epworth Blvd., Detroit, $225,000. Noted Apr. 1.

**Illinois**—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to L. B. Dyer Constr. Co., Hooperston, concrete paving Route 18, Sect. 48, Peoria, Knox and Fulton Counties $93,505, to Casey Constr. Co., Casey, Route 11, Sect. 40, Madison and Bond Counties $131,928, to Madison Constr. Co., Edwardsville, Route 34, Sects. 1 and 2, Saline Co., $257,000, Route 34, Sect. 3, Pope and Hardin Counties $110,595, to Smith Bros. Constr. Co., Route 34, Sect. 4, Hardin Co. $134,337, Route 34, Sect. 5, Hardin Co., $130,000, to Hamilton-Hoffman Constr. Co., Carbondale, Route 34, Sect. 6, Pope and Hardin Counties $136,726, and Route 34, Sect. 7, Pope Co. $96,987, to W. D. Lonergan Constr. Co., Streator, Route 40, Sect. 5, Carroll Co. $145,398, Route 40, Sect. 7, Carroll and Whitesides Counties $164,242, Route 40, Sect. 8, Whiteside Co. $93,131 and grading Route 40, Sect. 5 A, Carroll Co. $16,158. Grand total $1,510,016. Noted Jan. 14 and Mar. 4.

**Ill., Chicago**—Bd. Local Impvts., Room 207, City Hall, grading, curbing, guttering, sewering and asphalt on 6 in. concrete paving North Frisco Ave. from Lawrence to Ainslie St., and Howard St. from Ridge Rd. to North Western Ave., to Contracting & Material Co., 844 Rush St. South May St. from West 75th to West 76th Sts., East 70th St. from Kenwood to Creiger Aves., grading, curbing, guttering, sewering and 2 in. asphaltic concrete paving West 109th Pl. from Vincennes to South Racine Aves., and South Winchester Ave. from West 78th to West 79th Sts., to Amer. Asphalt Paving Co., 33 West Washington St.; grading, curbing, guttering, sewering and 10 in. concrete paving Grove St. from West 22nd St. to Railroad Subway, to J. A. Ross & Co., 4561 Armitage St.; grading, curbing, guttering, sewering and asphalt on 6 in. concrete paving South Mansfield Ave. from Railroad Ave. to West Roosevelt Rd., Arthington and Fillmore Sts. from South Menard to South Mayfield Aves., curbing, guttering, sewering and removing present paving down to concrete foundation brought to grade with asphalt binder West Madison St. from Crawford to Cicero Aves., to White Paving Co., 1735 Fulton St.; grading, removing trees, curbing, guttering, sewering and cleaning present paving and 1½ in. asphalt resurfacing Morse Ave. from Sheridan Rd. to North Ashland Blvd., to J. V. McCarthy Co., 77 West Washington St.; grading, curbing, guttering, sewering, filling and 2 in. asphalt on 6 in. concrete paving Harper and Dorchester Aves., from East 87th to East 90th Sts., Blackstone and Dante Aves. from East 87th to East 91st Sts., Kenwood Ave. from East 87th to East 89th Sts., Kimbark Ave. from East 87th to East 88th Sts., East 88th St. from Stoney Island to Kimbark Aves., East 89th St. from Stoney Island to Kenwood Aves., and East 90th St. from Stoney Island to Dorchester Aves., to Conway Paving Co., 844 Rush St.; grading, sewering and 7 in. concrete paving roadways and alleys between Howard St., Sheridan Rd., Birchwood and Greenview Aves., between Berteau, Belleplane, and North Maplewood Aves., and North Rockwell St., between Montrose, Cullom, North Claremont and North Western Aves., between Bloomingdale, Wabansia and Kimball Aves., and Ballou St., between Bloomingdale Ave., Cortland, Girard and North Wood Sts., between Fullerton, Milwaukee and North Sacramento Aves. and Darwin Terrace, between West Roosevelt Rd., West 13th St. South Kildare and South Kolin Aves., between Elston, Berteau, North Harding and North Crawford Aves., between Cortez and Augusta Sts., Washtenaw and North California Aves., between West 64th, West 65th, South Lincoln and South Honore Sts., between East 65th St., East Marquette Rd., St. Lawrence and Champlain Aves., between East 66th St., Vernon Ave. and East Marquette Rd., between West 66th Pl., West 67th St., South Homan and South St. Louis Aves., between East 68th and East 69th and East 70th Sts., Chappel and Clyde Aves., between East 75th, East 76th Sts., Merrill and Paxton Aves., between East 75th and East 76th Sts., Essex and Kingston Aves., between East 75th and East 76th, Phillips and Essex Aves., between East 76th and East 77th, Phillips and Essex Aves., between East 77th and East 78th Sts., Essex and Phillips Aves., between East 77th and East 78th Sts., Essex and Kingston Aves., between West 87th and West 88th Sts., South Union and Emerald Aves., and between East 109th and East 110th Sts., South Park and Vernon Aves., to Paramount Constr. Co., 82 West Washington St., between Benard St., Belmont, Barry and Kimball Aves., and between Montrose, Cullom, Drake and North Central Park Aves., to P. J. O'Brien & Co., 4 North Cicero St., between East 74th and East 75th Sts., Paxton and Luella Aves., to J. Dillon & Co., 6601 Sheridan Rd. Noted Mar. 18 and 25.

**Ill., Lake Forest** — Vibrolithic concrete paving various streets in "Hields Lake Forest Ravine Park," to Jaicks Bros., 107 North Clark St., Chicago, $46,355. Noted Mar. 18.

**Ill., Rockford**—Bd. Local Impvts. **(e. e. means engineers estimate)**, grading, curbing, sewers and macadam paving 1 block Bohm St., 29 ft., to Northern Illinois Supply Co., Rockford, $4,000 e. e. $5,000; grading, curbing, sewers and concrete paving 3.5 blocks Underwood St., 30 ft., to F. N. Johnson, 1821 Harlem Blvd., $20,000 e. e. $25,000, 6 blocks Crosby St., 31 ft., to A. E. Rutledge, Mead Bldg., $37,000 e. e. $40,000, and 10 blocks North Rockford Ave., Welty and Dawson Sts., 40 ft., to Milburn Bros., 18th and Charles Sts., $70,000 e. e. $81,680. Grand total $131,000. Noted Jan. 14.

**Wisconsin** — State Hy. Dept., Madison, grading, concrete paving, etc., 37,302 sq.yd. Kewaunee-Manitowoc Rd., Project 367-A, Kewaunee Co., to Jorgenson Constr. Co., Denmark, $99,690; 36,996 sq.yd. Shawano-Bonduel Rd., Project 345-B, Shawano Co., to Koepke Bros., Appleton, $69,332; and 101,596 sq.yd. Oshkosh-Fremont Rd., Project 393-A, Winnebago Co., to M. Martin, Berlin, $267,628. Grand total $436,650. Noted Mar. 18.

**Wisconsin**—State Hy. Dept., Madison, to Bossert Coal Co., Wisconsin Rapids, concrete paving 8,905 sq.yd. Wisconsin Rapids-Randolph Rd., Job 4274, $23,645, 12,827 sq. yd. Blenker-Sherry Rd., Job 4267, $36,586, and 10,274 sq.yd. Hewitt Rd., Job 4268, $27,886, all in Wood Co.; also to Colburn & Thurston, Anoka, Minn., gravel surfacing 15.21 mi. Kilbourn-Wisconsin Rapids Rd., Federal 394-A, Adams Co., $153,051. Grand total $241,168. Noted Mar. 18.

**Ia., Elkador**—Clayton Co., to J. Brown Constr. Co., Madison Lake, Minn., improving Federal Aid Project 166, 98,821 cu.yd. excav. at $0.255 per cu.yd., 992 ft. 15 in. culvert labor $0.30, 304 ft. 18 in. and 150 ft. 24 in. culvert labor $0.40 each.

**Ia., Monona**—Curbing, guttering and concrete paving 14,600 sq.yd. various streets, to Flinn Paving Co., Sioux City, $38,447. Noted Mar. 18.

**Ia., Sac City**—Sac Co., improving 20.5 mi. roads in Dists. 20, 21 and 22, 24,885 cu. yd. gravel and 124,560 yd. ½ mi. overhaul, etc., to H. Miller, Hartley.

**Ia., Sigourney**—Keokuk Co., to McAndrew & Hannah, Keokuk, grading, etc., Primary Rd. 2, 86,334 cu.yd. excav. at $0.30 per cu.yd., 1,600 cu.yd. channel change $0.38, 1,000 cu.yd. approach excav. $0.35, 80,000 sta.yd. overhaul $0.02, 1,020 ft. 18 in. culvert pipe hauled and placed $0.40, and 220 ft. 30 in. $0.60. Noted Apr. 8.

**Minnesota** — State Hy. Dept., St. Paul, **(F. A. P. means Federal Aid Project, and S. P. means State Project)**, paving 70,942 sq.yd. S. P. 3-45, Sect. 3, F. A. P. 363, and 77,760 sq.yd. S. P. 3-45, Sect. 4, F. A. P. 25, to Western Asphalt Paving Corp., 1st and Nebraska Sts., Sioux City, Ia., $217,034; asphaltic concrete paving 67,692 sq.yd. S. P. 10-39, F. A. P. 382, to Hanlon &

Streets and Roads (Continued)

Okes, 1501 Merchants Bank Bldg., St. Paul, $152,167; grading, etc., 190,000 cu.yd. S. P. 6-40, Sect. 2, F. A. P. 349, to Strom Constr. Co., Gary, $62,487, and 60,000 cu.yd. S. P. 3-34, Tenstrike-Hines Rd., to Nelson, Mullen & Nelson, 355 Temple Court Bldg., Minneapolis, $36,871; also grading and bridging 342,000 cu.yd. S. P. 5-31, and S. P. 37-21, Sect. 3, F. A. P. 376, to Nolan Bros., 18 North 2nd St., Minneapolis, $144,282, and $62,024 respectively. Grand total $674,865. Noted Apr. 1.

**Minn., Forest Lake**—L. P. Melostad, village recdr., 7-8 in. paving approximately 13,000 sq.yd. various streets, to C. F. Sculley Equipment Co., 212 Dakota Bldg., St. Paul, at $2.19 per sq.yd., total $30,430.

**Kan., Hays**—Ellis Co., grading 10.12 mi. Federal Aid Project 286-A and B, incl. two 10 x 24 ft. box span bridge, to H. L. Felden, Hays, $41,551. Noted Mar. 1.

**South Dakota**—State Hy. Dept., Pierre, **(F. A. P. means Federal Aid Project)**, grading, etc. 9.55 mi. F.A.P. 206-A, Butte Co., to Cooper & Marsh, Spearfish, $23,499; 4.31 mi. F.A.P. 96-B, Todd Co., to G. A. McAllister, Belvidere, $8,490; and 15.44 mi. F.A.P. 196-B, Aurora Co., to R. P. England, Mitchell, $44,776. Grand total $76,765.

**North Dakota** — State Hy. Comn., Bismark, grading and concrete paving 20.202 mi. Federal Aid Project 259-A, and 17.955 mi. Federal Aid Project 262-A, Sioux Co.; to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $90,855 and $101,313 respectively. Noted Mar. 11.

**N. D., Fort Yates**—Sioux Co., **(a)** grading **(b)** concrete culverts on **(1)** 139,509 cu. yd. Federal Aid Project 256, and **(2)** 146,804 cu.yd. Federal Aid Project 262, to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., **(a1)** $58,463 **(b1)** $32,391 **(a2)** $55,535 and **(b2)** $45,777. Grand total $192,166.

**Wyoming** — State Hy. Dept., Cheyenne, **(e. e. means engrs. est.)** grading, crushed gravel surfacing, etc. 15.5 mi. Federal Aid Project 19 (reopened), to Tobin & Maloney, Oklahoma City, Okla., $194,686 e. e. $276,578; surfacing and culverts on 7.6 mi. Cody-Powell Rd., Federal Aid Project 103-A, Park Co., to Taggart Constr. Co., Cody, $51,117 e. e. $75,000; also grading and 7 timber bridges on 25.9 mi. Federal Aid Project 191-A, Sweetwater Co., to Scharrock & Pursel, Box 316, Casper, $71,733 e. e. $108,030. Grand total $317,536. Noted Mar. 25.

**Texas**—State Hy. Comn., Austin, bituminous surface treating 161 mi. roads in Red River, Bowie Cass, Titus, Delta, Collin, Denton and Wise Counties, to H. K. McCollum, 1507 F. & M. Bank Bldg., Ft. Worth, $190,700, engrs. est. $300,000; 119.37 mi. roads in Bell, Williamson and Milam Counties, to McClung Constr. Co., Cleburne, $174,898, engrs. est. $250,000; 183 mi. roads in Howard, Martin, Midland, Ector, Scurry, Brewster and Potter Counties, to Cocke & Turner, Marshall, $230,720. Engrs. est. $400,000. Grand total $596,318. Noted Apr. 1.

**Tex., Beaumont** — Rock asphalt paving various streets, to Uvalde Rock Asphalt Co., Franklin and Archie Sts. $333,289. Noted Mar. 11.

**Tex., Clarksville**—Red River Co., grading, clearing, grubbing, bridging and gravel surfacing 1.01 mi. State Highway 66, State Aid Project 364-A, to Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $42,980. Engrs. est. $46,500. Noted Apr. 1.

**Tex., Dallas** — Dallas Co., grading, bridging and gravel-surfacing 3.05 mi. Highway 78, State Aid Project 643, 16 ft., to A. Jackson, 4704 Bryan St., $23,648. Engrs. est. $32,500. Noted Apr. 1.

**Tex., Eagle Lake**—Office of R. T. Westmoreland, mayor, curbing, guttering and 6 in. concrete paving Main St. and around Square, to Brown & Root, Georgetown, $27,364. This corrects report in Apr. 1 issue.

**Nev., Reno**—Asphaltic concrete paving, etc., 660,000 sq.ft. various streets, to Smith-Peterson Co., Reno, $129,600. Noted Apr. 1.

**Wash., Seattle**—Bd. Pub. Wks., brick and concrete paving North 36th St. et al., to Erickson Paving Co., Henry Bldg., $81,477. Noted Apr. 1.

**Wash., Tacoma** — Comrs. Pierce Co., paving 3 mi. South Prairie-Buckley-Wilkeson Highway, to Albertson, Cornell Bros. & Walsh, 2 South Tacoma St., Tacoma; $74,850.

**Wash., Walla Walla**—Comr. Walla Walla Co., constructing 3.82 mi. Sudbury Rd. between Theil and Rulo, 31,698 cu.yd. excav., 14,292 cu.yd. borrow, 9,548 cu.yd. solid rock excav. and 8,400 cu.yd. two course surfacing, etc., to J. Tobin & Son, Eltopia, $56,017.

**Wash., Wenatchee**—City Council 23,400 sq.yd. 8 in. and 7,700 sq.yd. 7 in. concrete paving Columbia and Yakima Aves., to P. H. Adams & Co., Wenatchee, $110,721.

**Calif., San Anselmo**—F. D. Burrows, city clk., grading, hydrated concrete curbing, guttering, asphaltic concrete paving, etc. Florence, Oak Knoll, Pastori Aves., etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $20,495. Noted Mar. 18.

**Calif., San Francisco** — Golden Gate Heights Tract, grading, sewers, etc., in Golden Gate Heights Tract, to H. N. McClure, 608 Octavia St. $589,000.

**Ontario** — Dept. Highways Toronto, concrete paving 6.75 mi. road westerly from Colborne, Contr. 1273, to Paving & Mastic Co., Federal Bldg., Toronto, $200,000; grading 6.5 mi. road from Chatsworth south towards Durham, Contr. 1285, to L. Williams, Mitchell, Ont. $25,000, 6.1 mi. road from swamp north of Markdale southerly, Contr. 1286, to A. B. McLeod, 120 Neywash St., Orillia, $25,000, 12.2 mi. road from Joyceville to point 2.5 mi. north of Seeleys Bay Contr., 1307, to McGinnis and O'Connor, Kingston, $30,000; asphaltic concrete (black base) paving, 6.4 mi. road from Allanburg to Welland, Contr. 1289, to Dufferin Constr. Co., Bathurst St., Toronto, $225,000; surface treating 8 mi. road from Ottawa to Connaught Rifle Ranges and 34.9 mi. road from Port Elmsley to Ashton, Contrs. 1308 and 1309, to Bituminous Spraying & Contg. Co., Confederation Life Bldg., Toronto, $50,000, 5 mi. road west L'Original, Contr. 1310, to Municipal Road Spraying & Oiling Co. Ltd., 50 Yonge St. Arcade, Toronto, $6,000; concrete abutments on Trambley Creek Bridge, Lot 11, Tilbury Twp., Contr. 1311, to A. Hunean, 1510 Dougal Ave., Windsor, $15,000; widening concrete bridge, 4 mi. east of Hawkesbury, Contr. 1312, to Ontario Bridge Co., Crown Office Bldg., Toronto, $10,000; steel superstructure Trambley Creek Bridge, Contr. 1314, to Dominion Bridge Co., Reford Bldg., Toronto, $10,000. Grand total $596,000. Noted Mar. 4.

**Ont., Perth** — Concrete curbing, guttering and asphalt concrete paving 2 mi. various streets, to Standard Paving Co. Ltd., Central Chambers, Ottawa. Engrs. est. $200,000.

**Alta., Calgary** — Will curb, grade and concrete sidewalks, asphalt paving, etc., various streets, by day labor. $175,000. J. M. Miller, city clk.

# Buildings—Commercial

## *Proposed Work*

**Me. Portland** — APARTMENT — H. W. Rhodes, archt., 574-A Congress St., plans 6 story, limestone and brick, Congress St.

**Me., Portland** — CHEMICAL LABORATORY — Schlotterbeck & Foss, 36 Brown St., plans 5 story and basement, brick and steel laboratory. $200,000.

**Vt., Burlington** — AUDITORIUM — City purchased site and plan brick and steel, Maine and South Union Sts. $150,000.

**Vt., Burlington**—CITY HALL—City having sketches made by McKim, Meade & White, 101 Park Ave., New York City, city hall, Main and Church Sts.

**Mass., Attleboro** — THEATRE — Eagles Home Bank Building Assn., Inc., having revised plans prepared by J. A. Tuck, Park Sq. Bldg., Boston, 2 story and basement, 132 x 190 ft., brick and terra cotta, Bank St. $175,000. Former bids rejected. Noted Dec. 24.

**Mass., Boston** — HOSPITAL — Massachusetts General Hospital, F. A. Washburn, in charge, Fruit St., having preliminary plans prepared by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., 5 story and basement, brick addition. $175,000.

**Mass., Boston**—Y. M. C. U., 48 Boylston St., plans building, Park Sq. Sect. To exceed $150,000. Architect not selected.

**Mass., Cambridge** (Boston P. O.) — APARTMENT—M. L. Garfield, 37 Irving St., having sketches made by Blackall & Elwell, 44 Bromfield St., Boston, 3 or more story and basement, stone, Akron St. $150,000 or more.

**Mass., Hyannis**—APARTMENT—W. W. Hoblitzell, 31 Milk St., Boston, will not construct brick and steel, Main St. $250,000. Noted Feb. 18.

**Mass., Hyannis**—PASSENGER STATION—New York, New Haven & Hartford R.R. Co., New Haven, Conn., E. Gagel, ch. engr., plans 1 story railroad station, here. $150,000.

**Mass., Somerville** (Boston P. O.) — STORE and OFFICE — L. Giardini, 103 Tonawanda St., Dorchester, plans 3 story and basement, brick and stone, Elm St. $150,000. Engineer and architect not selected.

**Mass., Springfield** — HOSPITAL — Mercy Hospital, Elliot St., raising $400,000 funds, hospital, Carew St.

**Mass., Worcester**—AUDITORIUM—City Pub. Building Dept., plans auditorium, 5,000 seating capacity, Lincoln Sq. $2,000,000. Engineer and architect not selected. Noted Mar. 11.

**Conn., New Haven**—COURT HOUSE—Comrs. New Haven Co. approved $500,000 bond issue purchasing site, constructing court house addition, incl. office and library accommodations, Church St. Engineer and architect not selected.

**Conn., New Haven**—OFFICE—Southern New England Telephone Co., 126 Court St., having plans prepared by R. W. Foote, 10-12 story, 40 x 45 ft., and 40 x 120 ft., brick and steel, Court St. $500,000. Noted Jan. 7.

**N. Y., Brooklyn** — HOSPITAL — Coney Island Hospital, Ocean Parkway, soon takes bids on revised plans brick, steel and stone addition, plain foundation. $500,000. Hodge & Morrison, 160 Pearl St., New York City, engrs. and archts. Noted Dec. 10.

**N. Y., Buffalo**—APARTMENT—Carr & Andrews, c/o Haugaard & Burnham, engr. and archt., 185 Madison Ave., New York City, soon takes bids brick, steel and stone, plain foundation, Summer St., here. $1,000,000. Noted Jan. 28.

**N. Y., Buffalo**—HOSPITAL—City plans hospital group incl. 2 ward buildings, administration building, etc., Grider St. $1,250,000.

**N. Y., Buffalo** — HOSPITAL — Millard Fillmore Hospital, Lafayette Ave., having plans prepared by Kidd & Kidd, 522 Franklin St., 2 story hospital, Lafayette Ave. $750,000. Noted Mar. 25.

**N. Y., Far Rockaway** — POLICE STATION and GARAGE — Police Dept., 240 Centre St., New York City, having plans prepared brick, steel and stone, plain foundation, Mott Ave., here. $275,000. Private plans.

**N. Y., Jamestown**—Y. M. C. A., 211 Lakeview Ave., having plans prepared by J. F. Jackson, engr. and archt., 137 East 45th St., New York City, 4 story, brick, steel and stone, plain foundation, East 4th St. $400,000.

**N. Y., Montauk** — HOTEL — Montauk Beach Development Co., c/o C. G. Fisher, 52 Vanderbilt Ave., New York City, soon lets contract brick, steel and stone, plain foundation, here. Schultze & Weaver, 17 East 49th St., New York City, engrs. and archts. Noted Mar. 18.

**N. Y., New York** — APARTMENT — W. Warren, 16 East 47th St., having preliminary plans prepared by Warren & Wetmore, engrs. and archts., 6 East 47th St., 12 story, brick, steel and stone, plain foundation, 1041 5th Ave. $1,000,000.

**N. Y., New York**—APARTMENT—R. O. W. Realty Corp., c/o W. Koppe, engr. and archt., 567 East Tremont Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Heath Ave. and Kingsbridge Rd. $280,000.

**N. Y., New York** — APARTMENT — J. Mautner, c/o Sugarman & Berger, engrs. and archts., 345 Madison Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Madison Ave. $200,000.

**N. Y., New York**—HOTEL—A. Kay, c/o F. P. Platt & Bro., archts., 221 West 57th St., soon takes bids brick, steel and stone, plain foundation, 6th Ave. $600,000. E. E. Seelye, 101 Park Ave., engr. Noted Apr. 8.

**N. Y., New York**—OFFICE—M. Greenstein, 206 West 29th St., plans three 24 story, brick, steel and stone, plain foundations, 8th Ave. at 27th St. $15,000,000. Engineer and architect not selected.

**N. Y., New York**—OFFICE and LOFTS—A. E. Lefcourt, 1351 Bway., plans three 23 story, brick, steel and stone, plain foundations, one at 22nd St. and 7th Ave., $7,000,000; one at 25th St. and 7th Ave., $10,000,000; and other at 23rd St. and 7th Ave., $8,000,000. Engineer and architect not selected.

**N. Y., New York** — WAREHOUSE — Hensle Constr. Co., c/o G. S. Kingsley, engr. and archt., 1452 Bway., soon takes bids rein.-con., brick and steel, plain foundation, West 134th St. $260,000.

**N. Y., Rochester**—GARAGE and OFFICE—Broad Building Corp., c/o R. J. Reidpath, engr., Mutual Life Bldg., Buffalo, having plans 6 and 10 story garage and office building, Broad and Exchange Sts. To exceed $500,000.

**N. Y., Rochester** — WAREHOUSE — F. Kelley, engr., 821 Ellicott Sq. Bldg., Buffalo, takes bids about Apr. 15, 2 story, 160 x 320 ft., rein.-con., South Clinton St., here, for H. West, c/o engineer. To exceed $200,000.

**N. Y., White Plains** — OFFICE — Bd. Supervs. Westchester Co., Court House, having plans prepared by B. W. Morris, engr. and archt., 101 Park Ave., New York City, 10 story, 250 x 250 ft., brick, steel and stone, plain foundation, Court St. $800,000.

Buildings—Commercial (Continued)

**N. J., Elizabeth**—HOSPITAL—Alexian Bros. Hospital, soon takes bids brick, steel and stone addition, plain foundation. Lord & Hewlett, 2 West 45th St., New York City, engrs. and archts.

**N. J., Newark**—BANK and OFFICE—Guardian Trust Co. of New Jersey, N. Elim, chn. Building Com., having plans prepared by Holmes & Winslow, 134 East 44th St., New York City, 15 story, brick, steel and stone, plain foundation, Broad St.

**Pa., Coatesville** — HOSPITAL — Coatesville Hospital, c/o Heacock & Hokensen, archts., 1211 Chestnut St., having plans prepared 3 story and basement, 40 x 120 ft., rein.-con., brick and steel, plain foundation.

**Pa., Phila.**—OFFICE—Phila. Electric Co., 10th and Chestnut Sts., having plans prepared by J. T. Windrim, Commonwealth Bldg., 20 or more story and basement, 100 x 100 ft., rein.-con., brick and steel, 9th and Sansom Sts. $2,000,000.

**Pa., Phila.**—STORE—L. B. Rothschild, archt., 215 South Broad St., soon lets contract 2 story and basement, 76 x 156 ft., rein.-con., brick and steel, plain foundation, 16th and Market Sts., for Heyman Bros., 215 South Broad St. $250,000.

**Pa., Pittsburgh** — CLUB HOUSE — East Liberty Bowling Assn., Broad and Larimer Aves., having plans prepared by H. C. Hodgkins, 658 Maryland Ave., 3 story and basement, 100 x 187 ft., brick and steel, Collins Ave. $150,000.

**Md., Baltimore** — STORE — J. Feldman, 927 West Baltimore St., having plans prepared by S. Russell, 11 East Lexington St., 2 story and basement, 60 x 260 ft., rein.-con., brick and steel, plain foundation, Baltimore and Callender Sts. $150,000.

**Va., Richmond** — THEATRE — M. G. Thalhimer, 1013 East Main St., had plans designed by Carneal & Johnston, Railway & Power Bldg., and having estimates prepared by J. T. Wilson Co., Mutual Bldg., Wise Granite & Constr. Co., 4th and Grace Sts., and Doyle & Russell, Richmond, for Neighborhood Theatre, 50 x 130 ft., with large foyer, brick, limestone and stucco, West Broad St. near Davis Ave.

**Fla., Clearwater**—THEATRE—H. Pittman and associates, having plans prepared by S. E. Couch & C. E. Vosburg, Clearwater, theatre, Osceolo Ave. $200,000.

**Fla., Vero Beach** — THEATRE — W. Atkins and associates, purchased site and plan theatre, Pueblo Dr. $150,000.

**Miss., Jackson**—HOSPITAL—H. L. Whitfield, gov., plans to appoint 3 members of building commission to direct construction insane hospital, on Rankin State Farm. $2,500,000.

**Miss., Meridian**—HOTEL—Meyers Bros., et al., S. Meyers, pres., take bids about Apr. 14, 11 story, 75 x 101 ft., rein.-con., brick and steel, 5th St. and 21st Ave. P. J. Krouse, Maizza-Woods Bldg., archts. Noted Mar. 11.

**O., Canton**—THEATRE and OFFICE—Loew Theatre Co., 1540 Bway., New York City, having plans prepared by T. W. Lamb Co., 644 8th Ave., New York City, new theatre, Market at 5th St., here. $300,000.

**O., Dayton** — APARTMENT HOTEL — F. J. Hughes, U. B. Bldg., having plans prepared 12 story apartment hotel, Bellemonte Ave. $1,000,000. Private plans.

**Ind., Indianapolis**—HOSPITAL—Indiana Christian Hospital, Senate and Ohio Sts., had plans prepared by F. S. Cannon, 4443 Guildford Ave., 16 story and basement, 40 x 200 ft., brick steel and terra cotta hospital. $1,500,000.

**Ill., Chicago**—BANK, STORE and OFFICE—H. L. Newhouse & F. M. Bernham, archts., 4623 Drexal Blvd., prepared plans and take bids about Apr. 15, 4 story and basement, 90 x 125 ft., brick and terra cotta, 63rd St. and Ashland Ave., for West Englewood Natl. Bank Building Corp. $500,000.

**Ill., Chicago** — HOTEL — Syndicate, c/o Leichneko & Esser, archts., 38 South Dearborn St., having plans prepared 4 story, 100 x 149 ft. hotel, 79th St. and Lowe Ave. $350,000.

**Ill., Chicago**—OFFICE—Illinois Society of Architects, 160 North LaSalle St., H. L. Palmer, secy., plans large office building. $3,000,000.

**Ill., Chicago**—OFFICE—Hyland & Corse, archts., 159 East Ontario St., prepared plans and take bids about May 1, 12 story and basement, 40 x 110 ft., rein.-con., brick, granite and terra cotta, wood pile foundation, 180 West Washington St., for One Hundred and Eighty West Washington St. Building Corp., c/o A. F. Klink, 110 South Dearborn St. $1,000,000.

**S. D., Watertown** — COURT HOUSE — Codington Co. plans probably 3 story and basement court house. $225,000. $200,000 bonds voted for same. Engineer and architect not announced. Noted Feb. 11.

**Mo., St. Louis**—MAUSOLEUM—Stanza & Co., Inc., Syndicate Bldg., having plans prepared by T. P. Barnett Co., Arcade Bldg., and S. Lovell, 224 East Ontario St., Chicago, Ill., rein.-con. and granite mausoleum in Park Grove Memorial Cemetery, St. Charles Rock and Carson Rds. $1,000,000.

**Mo., St. Louis**—POLICE STATION—Bd. Police Comrs., A. C. Orrick, pres., purchased site and plans rein.-con., brick, stone and steel police headquarters, 12th St. and Clark Ave. $1,000,000. Engineer and architect not selected.

**Tex., Amarillo**—OFFICE—W. C. Hedrick, archt., 1005 1st Natl. Bank Bldg., Ft. Worth, takes bids about Apr. 15, 10 story and basement, 60 x 140 ft., brick, stone and concrete, 6th and Palk Sts., here, for M. D. O. Eakle. $500,000.

**Tex., Dallas**—OFFICE—See "Railways, under Texas."

**Okla., Oklahoma City**—OFFICE—Layton, Hicks & Forsyth, archts., Baniff Bldg., soon lets contract 3 story and basement, 70 x 150 ft., rein.-con., brick and stone, for Mid-Continent Life Insurance Co., 200 North Robinson St. $300,000.

**Wash., Seattle**—STORE and OFFICE—A. McQuaker, archt., Melhorn Bldg., takes bids about Apr. 30, 7 story and basement, 111 x 120 ft., rein.-con., terra cotta and marble, 3rd and Union Sts., for J. K. McDowell, Henry Bldg. $450,000.

**Calif., San Francisco**—CLUB—Olympic Club, Olympic Club Bldg., having plans prepared by Bakewell & Brown, 251 Kearny St., 18 story and basement, Class "A." Post and Mason Sts. $1,500,000. Noted July 23.

**Calif., San Francisco** — STORE and OFFICE—Anchor Chain Safe Deposit Co., Inc., 11 Steuart St., having plans prepared by H. H. Winner Co., Sharon Bldg., 15 story and basement, fireproof, Market St. near Steuart St. $1,000,000.

**Calif., San Jose**—THEATRE, STORE and OFFICE—J. A. Kidward, 17 North 1st St., having preliminary plans prepared by H. Fischer, 17 North 1st St., 14 story and basement, 250 x 300 ft., Class "A," 1st and Santa Clara Sts. $2,500,000.

**T. H. Honolulu**—MEMORIAL HALL—Territory of Hawaii, having plans prepared by L. P. Hobart, Crocker Bldg., San Francisco, Calif., rein.-con. memorial hall, here. T. Ronneberg, Crocker Bldg., San Francisco, Calif., engr.

## *Bids Desired*

**Me., Norway** — BANK — Norway Natl. Bank taking bids 2 story and basement, brick, stone and concrete bank. $150,000. H. Coombs, 11 Lisbon St., Lewistown, archt.

**Mass., Boston** — APARTMENT — See "Contracts Awarded."

**Mass., Boston** — MARKET — First Natl. Stores, Inc., Rutherford Ave., Charlestown, taking bids 4 story and basement, 65 x 110 ft., rein.-con. and brick, Union and North Sts., here. $160,000. Shepard & Stearns, 65 Franklin St., archts.

**Mass., Boston**—THEATRE, STORE and OFFICE—See "Contracts Awarded."

**Mass., Brockton** — BANK — Brockton Natl. Bank, C. R. Fillebrown, pres., taking bids 2 story and basement, brick and stone addition, Main and Church Sts. $150,000. T. M. James Co., 3 Park St., Boston, archts. Noted Apr. 8.

**Mass., Brookline** (br. Boston)—APARTMENT—See "Contracts Awarded."

**Mass., Walpole** — MAINTENANCE and STORAGE—Bird & Son, taking bids 3 story, 70 x 260 ft., rein.-con. maintenance and storage building. To exceed $40,000. Monks & Johnson, 99 Chauncy St., Boston, archt.

**N. Y., New York**—APARTMENT—See "Contracts Awarded."

**N. J., Cape May**—COURTHOUSE—Apr. 21, by Freeholders Cape May Co., 1 and 2 story and basement, 43 x 142 ft., 50 x 103 ft. and 48 x 103 ft., brick and steel, plain foundation. Edwards & Green, Van Russ Bldg., Camden, and L. H. Boyer, Wildwood, archts.

**Pa. Easton**—OFFICE—Apr. 30, by Lehigh Valley R.R. Co., G. T. Hand, ch. engr., 143 Liberty St., New York City, N. Y., having plans prepared 1 and 2 story, 65 x 365 ft., rein.-con. and brick passenger and freight office, etc., here.

**Pa., Phila.**—APARTMENT—See "Contracts Awarded."

**Pa., Phila.**—EXHIBITION—Apr. 17, by J. A. Nyden, 19 North State St., Chicago, Ill., John Morton Memorial, 2 story and basement, 18 x 31 ft., and 44 x 150 ft., rein.-con., brick, steel and stucco, plain foundation, League Island Park, for Swedish-Amer. Sesquicentennial Assn., Weidener Bldg. $150,000.

**Pa., Pittsburgh**—Apr. 30, by Y. M. C. A., North Ave. and Monterey St., N. S., and R. M. Trimble, archt., Ferguson Bldg., 5 story and basement, 60 x 170 ft., brick and steel, North Ave.

**Pa., Wilkinsburg**—HOTEL—Jannsen & Cocken archts., Century Bldg., Pittsburgh, taking bids 6 story and basement, 122 x 128 ft., brick and steel, Penn Ave., here, for Community Hotel Co., c/o Faller Furniture Co. $350,000.

**Miss., Gulfport**—BANK and OFFICE—Apr. 27 (extended date), by N. W. Overstreets, archt., Jackson, 7 story, 50 x 75 ft., rein.-con., brick, stone and terra cotta, 14th St. and 35th Ave., for Bank of Gulfport. $250,000. Noted Mar. 4.

**Ohio**—ARMORIES—May 20, by Adjutant General, State House, Columbus, 2 armories, one at Chillicothe, 2 story and basement, 100 x 200 ft., $110,000, other at Washington C. H., 2 story and basement, 50 x 100 ft., $50,000, both rein.-con. and brick. F. W. Elliott, 305 Chamber of Commerce Bldg., Columbus, archt.

**O., Akron**—HOTEL—Apr. 19, by United Hotels Co., Inc., 24 West 45th St., New York City, N. Y., hotel addition, East Market and Main Sts., here. $300,000. Esewein & Johnson, Ellicott Sq., Buffalo, N. Y., archt.

**O., Columbus**—CITY HALL—May 18, by W. H. Duffy, dir. Pub. Serv., 5 story and basement, Bedford stone, brick and terra cotta, Water St. $1,000,000. Allied Architects Assn., archts., R. C. Kempten, archt. in charge. Allied Architects Assn., 82 West Broad St., archts.

**Ind., Indianapolis**—APARTMENT—Apr. 19, by H. J. Hibben, 131 South Meridian St., 4 story and basement, (two units), 48 x 80 ft. each, brick, steel and rein.-con., Emerson Ave. and Washington St. $250,000. R. N. Edwards, 71st St., archt. Noted Mar. 18.

**Ill., Chicago**—APARTMENT—See "Contracts Awarded."

**Ill., Chicago** — HOTEL — E. J. Melas, archt., 105 West Monroe St., taking bids 14 story and basement, 109 x 150 ft., Rush and Ontario Sts., for B. E. Cohn, et al, 139 North Clark St. $1,500,000.

**Ill., Chicago**—STORE and APARTMENT—W. C. Doerr, archt., 28 East Jackson Blvd., taking bids 4 story and basement, 105 x 140 ft., rein.-con., brick and terra cotta, 79th St. and Escanaba Ave., for G. F. Nord, 2926 East 79th St. $300,000.

**Wis., Fond du Lac**—COURT HOUSE—Apr. 22, by M. M. Bartlett, clk. Fond du Lac Co., 2 story and basement, 58 x 108 ft., stone and concrete addition. $150,000. F. J. Stepnoski, Forest Ave., archt. Noted Dec. 10.

**Ia., Iowa City**—HOSPITAL—May 25, by W. H. Gemmill, secy. State Bd. Educ., State House, Des Moines, 7 story, 305 x 496 ft., rein.-con., brick and steel, plain foundation, here, for State University of Iowa. $2,000,000. Proudfoot, Rawson & Souers, Hubbell Bldg., Des Moines, archts. and engrs.

**Mo., St. Louis**—APARTMENT HOTEL and THEATRE—See "Contracts Awarded."

**Mo., St. Louis** — APARTMENT — See "Contracts Awarded."

**Tex., Galveston** — WAREHOUSE — Galveston Wharf Co., c/o G. Sealy, 2324 B St., taking bids 2 story, hollow tile and wire glass warehouse. $150,000. R. M. Sias, c/o owner, archt. and engr.

**Tex., San Benito**—HOTEL—Apr. 20, by San Benito Community Hotel, c/o E. Dounes, pres., 312 Natl. Bank of Commerce, San Antonio, 2 and 3 story, brick, rein.-con. and tile, here. $175,000. H. P. Smith, 312 Natl. Bank of Commerce Bldg., San Antonio, archt.

**Calif., Beverly Hills** — CLUB — Beverly Hills Club, Inc., c/o W. A. Hudson, archt., 1809 Santa Monica Blvd., taking bids 2 story, 170 x 127 ft., rein.-con. and timber construction, incl. swimming pool, etc. $150,000 or more.

## *Bids Received*

**Ala., Mobile** — WAREHOUSE—Alabama State Docks Comn., W. T. Sibert, chn., State Office Bldg., 250 x 900 ft. steel and fireproof warehouse at Pier 1, from W. H. Williams Co., 3318 Coliseum St., New Orleans, La., brick $273,800, and concrete $253,000. Noted Mar. 11.

**Calif., Boyes Springs**—HOTEL—Sonoma Properties Co., 2 and 3 story, rein.-con. hotel, from Keystone Constr. Co., Builders Exch., Oakland, $250,000. Noted Mar. 4.

## *Contracts Awarded*

**Mass., Allston** (Boston P. O.)—WAREHOUSE—Pittsburg Plate Glass Co., 99 Portland St., Boston, 3 story and basement, 125 x 200 ft., rein.-con., Babcock St., to Scully Co., 118 1st St., East Cambridge. Archts. est. $250,000.

**Mass., Boston**—APARTMENT—J. Birson, 77 Hiawatha Rd., Mattapan, will build (5 unit) 3 story and basement, irregular size, brick and stone, plain foundation, Commonwealth Ave., here. $200,000. Work will be done by separate contracts. Silver-

Buildings—Commercial (Continued)

man, Brown & Heenan, 51 Cornhill archts.

**Mass., Boston**—GARAGE and STORE—Motor Mart Garage, 27 School St., 6 story, brick, limestone, steel and rein.-con., Columbus Ave., Stuart and Elliot Sts., to Chase & Gilbert, 220 Devonshire St. Archts. est. $2,000,000.

**Mass., Boston**—STORE and OFFICE—F. W. Fabyan, 46 Franklin St., 6 story and basement, brick, plain foundation, to W. M. Evatt Co., 200 Devonshire St. Archts. est. to exceed $150,000.

**Mass., Boston**—STORE and OFFICE—E. D. Brandegee, c/o H. B. Alden, archt., 15 Exchange St., 4 story and basement, 60 x 125 ft., brick and stone, plain foundation, 354-366 Boylston St., to E. A. Abbott Co., 3 Park St. Archts. est. $150,000.

**Mass., Boston**—THEATRE, STORE and OFFICE—Owner, c/o Krokyn, Brown & Rosenstein, archts., 220 Devonshire St., will build 2 story and basement, 90 x 200 ft., brick and steel, Bway., by day labor, under supervision of architects. $300,000.

**Mass., Brookline** (br. Boston)—APARTMENT—F. Slotnick, 44 Gerrish Ave., Chelsea, will build 4 story and basement, brick, plain foundation, Short St., here, by day labor. $150,000. Private plans.

**Mass., Somerville** (br. Boston)—WAREHOUSE—Somerville Warehouse Co., 1 story, 125 x 340 ft., rein.-con. and brick, Clyde St., to F. C. Alexander, Old South Bldg., Boston. Archts. est. $160,000. Noted Nov. 5.

**Conn., New Britain** — STORE and OFFICE — M. D. Honeyman, Archt St., general contract 2 story, 98 x 106 ft., to I. Wexler, 21 Hart St. Archts. est. $150,000.

**Conn., New Britain**—THEATRE—B. Hoffman, 113 Church St., New Haven, and I. J. Hoffman, Ansonia, structural steel for 150 x 200 ft., 2,500 seating capacity, concrete, brick and steel, Main St., to Porcupine Steel Fabrication Co., Bridgeport; erecting same, to Doody Steel Erection Co., 86 Grafton St., New Haven. Archts. est. $500,000. Noted Jan. 14.

**N. Y., Albany**—HOTEL—Equitable Life Assurance Society, 120 Bway., New York City, brick, steel and stone, plain foundation, Bway., here, to E. F. Carlson Co., 244 Main St. Archts. est. $2,000,000.

**N. Y., Brooklyn**—BANK and OFFICE—Manufacturers Trust Co., N. S. Jonas, pres., 139 Bway., brick, steel and stone, plain foundation, Myrtle Ave., to H. A. Harris, Inc., 16 East 43rd St., New York City. Archts. est. $500,000.

**N. Y., Coney Island** (Brooklyn P. O.)—BATH HOUSE — Realty Associates, 162 Remsen St., Brooklyn, 3 story, rein.-con., brick and steel, plain foundation, Boardwalk, here, to Turner Constr. Co., 244 Madison Ave., New York City. Archts. est. $375,000.

**N. Y., Glen Cove**—HOSPITAL, etc.—North Shore Hospital, Locust Valley, brick, steel and stone hospital and nurses home, plain foundation, here, to Bunce & Jergenson, New York Ave., Huntington. Archts. est. $500,000.

**N. Y., New York** — APARTMENT — Harmin Property Corp., c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., will build 6 story, brick, steel and stone, plain foundation, Anderson Ave., by day labor. $285,000.

**N. Y., New York** — APARTMENTS — Dwellers Building Corp., c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., will build three 5 story, brick, steel and stone, plain foundations, one at Allerton Ave., one Britton St., and other Bronx Park East, by day labor. $400,000 each. Noted Jan. 21.

**N. Y., New York**—APARTMENT—Datler Realty Corp., c/o H. Ginsberg, engr. and archt., 220 East 42nd St., New York City, will build 5 story, brick, steel and stone, plain foundation, Townsend Ave. and 172nd St., by day labor. $600,000.

**N. Y., New York** — APARTMENTS — Dwellers Estates, Inc., c/o G. W. Swiller, engr. and archt., 543 Claremont Parkway, will build 2 brick, steel and stone, plain foundations, one at Nelson Ave., $200,000, and other 175th St. and Undercliff Ave., $175,000, by day labor.

**N. Y., New York**—APARTMENT—Fein & Barth Constr. Co., c/o P. G. Stadler, engr. and archt., 16 East 43rd St., will build 5 story, brick, steel and stone, plain foundation, 168th St. and Ogden Ave., by day labor. $250,000.

**N. Y., New York**—BANK—Public Natl. Bank, 149th St. and Prospect Ave., brick, steel and stone, plain foundation, 169th St. and Morris Ave., to Leddy & Moore, 70 West 40th St. Archts. est. $200,000.

**N. Y., New York**—CLUB HOUSE—Three Arts Club, c/o E. V. Hammond, pres., 346 West 45th St., 8 story, brick, steel and stone, plain foundation, 336 West 86th St., to E. C. Brown Co., 70 East 45th St. Archts. est. $400,000.

**N. Y., New York**—HOTEL—Plaza Annex Corp., 21 West 58th St., brick, steel and stone addition, plain foundation, 21 East 58th St., to G. A. Fuller, 175 5th Ave. Archts. est. $250,000. Noted Mar. 25.

**N. Y., New York**—THEATRE and OFFICE—A. E. Erlanger, 214 West 42nd St., 8 story, brick, steel and stone, plain foundation, 246 West 44th St., to Thompson-Starrett Co., 250 Park Ave. Archts. est. $1,500,000. Noted Mar. 11.

**N. Y., West Haverstraw**—HOSPITAL—State Hospital Comn., Albany, isolation building, nurses home, etc., at State Orthopedic Hospital, here, to G. Colon & Co., Inc., 1 East 125th St., New York City, $447,000. Noted Mar. 18.

**Pa., Charlerol**—STORE—Berryman Dept. Store and Yoke & Lowstetter, archts., Monongahela City, general contract 2 story and basement, 80 x 100 ft. department store, to Cartensen & McLain, Johnstown. Archts. est. $150,000. Noted Mar. 18.

**Pa., Phila.**—APARTMENT—Babis & Bender Constr. Co., Schubert Bldg., will build 4 story and basement, 96 x 180 ft., rein.-con., brick and steel, 5408-12 Chestnut St., by day labor. $400,000. I. W. Levin, 1011 Chestnut St., archt.

**Pa., Phila.**—BANK and OFFICE—S. Clements, Packard Bldg., 6 story and basement, 50 x 118 ft., rein.-con., brick and steel, 16th and Walnut Sts., to Murphy Quigley Co., 1524 Sansom St.

**Pa., Phila.**—OFFICE and STORE—Pennsylvania R.R. Co., A. C. Shand, ch. engr., Broad St. Sta., 9 story and basement, 50 x 180 ft., rein.-con., brick and steel, plain foundation, 1107-09 Market St., to Irwin & Leighton, 126 North 12th St. Archts. est. $800,000.

**Pa., Pittsburgh**—BANK—West End Savings Bank & Trust Co., Main and Wabash Aves., (B. H. Prack, archt., Martin Bl. N. S.), general contract new bank building, to H. Busse, 500 South Main St., $330,000.

**Fla., Tampa**—HOSPITAL—City Comrs., City Hall, 6 story and basement, 50 x 375 ft. with two 25 x 50 ft. wings, brick and limestone, to Fleisher Eng. & Constr. Co., Tampa. Archts. est. $1,000,000.

**Mich., Detroit**—FILM EXCHANGE—W. R. Stebbins, 2201 Hazelwood Ave., 8 story and basement, 94 x 118 ft., rein.-con. and brick, plain foundation, Cass Ave., to H. G. Christman Co., 315 Stevens Bldg. Archts. est. $1,500,000

**Ill., Chicago**—APARTMENT—M. Callner, 177 North State St., will build 19 story, 150 x 180 ft. co-operative apartment, Oakdale and Commonwealth Aves. $3,250,000. Work will be done by separate contracts. R Gregori, 155 North Clark St., archt.

**Ill., Chicago**—APARTMENT—P. F. Olsen, archt. and head of syndicate called Junior Terrace Bldg. Corp., 720 Cass St., masonry and carpentry contract 12 story, 50 x 112½ ft., rein.-con., brick and stone, 705 Junior Terrace, to Rosenberger, Peterson & Leaf Co., 5153 North Clark St. Archts. est. $300,000. Noted Feb. 18.

**Ill., Chicago**—OFFICE—D. Schetnitz, 77 West Washington St., general contract 12 story and basement, 150 x 185 ft., brick, stone and terra cotta, known as 300 Adams Building, to McLennan Constr. Co., 307 North Michigan Ave. Archts. est. $2,000,000.

**Ill., Chicago**—STORE, APARTMENT and GARAGE—H. A. Hyden, archt., 190 North State St., masonry contract 3 story, 100 x 150 ft., brick, 7551-59 Ridge Blvd., to E. Borg, 7000 Pingree St., for J. Menzel & J. Cauger, 106 South Wabash Ave. Noted Mar. 25.

**Ill., Chicago**—THEATRE, STORE and OFFICE—E. J. Krug, c/o W. P. Whitney, archt., 822 West 70th St., general contract 2 story, 110 x 138 ft., brick and terra cotta, East 69th St. near Indiana Ave., to R. Levine & Co., 822 West 70th St. Archts. est. $700,000.

**Ill., Chicago**—WAREHOUSE—National Tea Co., 1000 Crosby St., general contract 6 story, 107 x 116 ft., rein.-con. addition, Crosby St. north of Oak St., to L. J. Mensch, 160 North La Salle St. Archts. est. $400,000.

**Ill., Kankakee** — STORE, OFFICE and APARTMENT—Kankakee Building Corp., general contract 3 story and basement, 150 x 150 ft., brick and terra cotta, Dearborn Ave. and Merchant St., to J. J. Redding & Co., 10 North Clark St. Archts. est. $750,000.

**Minn., St. Paul** — WAREHOUSE and OFFICE — A. J. Krank, 140 East 6th St., general contract 2 story and basement, 75 x 150 ft., rein.-con. and brick, University Ave. between Prior and Fairview Aves., to Pike & Cook, 416 South 5th St., Minneapolis. Archts. est. $200,000. Noted Nov. 26.

**Mo., St. Louis**—APARTMENT HOTEL and THEATRE — Stuyvesant Realty & Building Co., International Life Bldg., 20 story and basement, 170 x 193 ft., rein.-con., brick, terra cotta and tile, Lindell Blvd. and Spring Ave., to P. B. Bradshaw, archt., International Life Bldg., under subcontract system. Noted Apr. 8.

**Mo., St. Louis**—APARTMENT—Euclid Mutual Eng. Co., 405 Buder Bldg., will build 3 story and basement, 60 x 122 ft., rein.-con. and brick, 3300-08 Russell Ave., with own forces. $150,000. Kennedy & Stegemeyer, Title Guaranty Bldg., archts.

**Mo., St. Louis**—APARTMENT—Housam Realty Co., International Life Bldg., will build 8 story and basement, 43 x 92 ft., rein.-con., brick, steel and terra cotta addition, McPherson and De Beliviere Sts., by day labor under supervision of Howard & Finley, archts., International Life Bldg. $220,000. Noted Nov. 12.

**Mo., St. Louis** — APARTMENT — May Building & Investment Co., 808 Chestnut St., will build group 2 story and basement, 30 x 46 ft., 34 x 38 ft. and 31 x 34 ft., brick and concrete, Cleveland Pl., by day labor. $150,000.

**Tex., Amarillo** — BUSINESS — Amarillo Building Co., c/o E. O. Thompson, 8 story, rein.-con., brick and stone addition, plain foundation, to F. Bone Constr. Co., Amarillo, approximately $500,000.

**Tex., Dallas**—APARTMENT HOTEL—Lake Cliff Apartment Corp., W. S. Bellows, pres., Oklahoma City, Okla., 10 story and basement, 60 x 150 ft., brick and terra cotta, Zangs Blvd., and Colorado St., here, to Bellaus & Maclay, 611 Kirby Bldg., $750,000.

**Okla., Okmulgee**—OFFICE—J. W. McCullough, 8 story and basement, 95 x 162 ft., rein.-con. and brick, to C. M. Dunning Constr. Co., 420 North Hudson St., Oklahoma City, $353,489. Archts. est. $400,000.

**Wash., Mt. Vernon**—HOTEL—J. Foster, Mt. Vernon, reconstructing Windsor Hotel, 3 story, rein.-con. and brick, to Alexander & McNeil, Mt. Vernon. Archts. est. $185,000.

**Calif., Santa Barbara** — LODGE—B.P.O.E., 3 story and basement, 100 x 110 ft. lodge, to P. J. Walker, Garland Bldg., Los Angeles, $265,000. Noted Apr. 8.

**Calif., Stockton** — MAUSOLEUM — Casa Bonita Mausoleum, 37 North Sutter St., 1 story with tower, 125 x 250 ft., rein.-con. and marble, to C. S. Mabrey, Oschsner Bldg., Sacramento, $250,000. Noted Feb. 18.

**Ont., Toronto** — GARAGE and SHOW ROOM — Moore & Hughes and Reo Motor Sales Co., 593 Yonge St., general contract 2 story, 130 x 260 ft., rein.-con. and brick, plain foundation, Bay and St. Joseph Sts., to Jackson Lewis Constr. Co., Federal Bldg. Archts. est. $200,000.

# Buildings—Industrial

## *Proposed Work*

**Mass., Reading**—GARAGE and REPAIR SHOP—Town, Municipal St. Dept., having preliminary plans prepared by G. H. Sidebottom, 101 Tremont St., Boston, 1 story, rein.-con. and brick garage and repair shop. $50,000.

**N. Y., Buffalo**—GARAGE and SERVICE—Owner c/o E. Goldstein, archt., Prudential Bldg., having preliminary plans prepared garage and service station. $45,000.

**N. Y., North Tonawanda** — SHINGLE PLANT — Weatherbest Stained Shingle Co., 154 Main St., plans plant addition, Island St. $60,000.

**N. J., Newark**—BAKING PLANT—Continental Baking Co., 512 5th Ave., New York City, soon takes bids rein.-con., brick, steel and stone, plain foundation, Fabyan Pl., here. C. B. Comstock, 110 West 40th St., New York City, engr. and archt. Noted Nov. 12.

**Pa., Phila.** — FACTORY — McKarden Paper Box Co., 224 Pine St., having plans prepared by C. E. Wunder, 1520 Locust St., 3 story and basement, 50 x 75 ft., rein.-con. and brick, plain foundation, Front St. below Norris St.

**Pa., Williamsport** — FACTORY — J. E. Foucart Saw Wks. Co., J. E. Foucart, pres., receiving plans 2 story and basement, 31 x 210 ft., concrete block factory, Locust St. $150,000.

**Md., Baltimore**—FACTORY—O. T. Smith Co., 407-11 East Saratoga St., plans 2 story and basement, irregular shaped, brick and steel, plain foundation, Aiken St. near Curtain St. $45,000. Engineer and architect not selected.

**Md., Baltimore — FACTORY — Wilkens Bros., c/o L. W. Wilkens, 2401 Frederick Ave., plans 2 story and basement, irregular shaped, rein.-con. and brick, Patapsco and 9th Sts. $100,000. Engineer and architect not selected.**

**Fla., Tarpon Springs**—POWER PLANT—Pinellas County Power Co., St. Petersburg, plans new power plant, here. $500,000.

Buildings—Industrial (Continued)

**Miss., Biloxi** — LIGHT PLANT — City plans electric light plant.

**O., Kenmore** — FACTORY — Standard Rubber Co., plans rebuilding 2 story and basement factory, recently destroyed by fire. $75,000.

**O., Warren**—FACTORY—Aetna Fdry. & Machine Co., plans new factory addition. $100,000.

**Ind., Jasper**—FACTORY—Hoosier Desy Co., having plans prepared by Shopbell, Fowler & Thole, Evansville, 3 story, 60 x 150 ft., brick and steel factory. $40,000.

**Ill., Burnside** — INSPECTION SHOPS — Illinois Central R.R., D. J. Brumley, ch. engr., 135 East 11th Pl., Chicago, soon takes bids super-structures 90 x 440 ft. inspection shop, 50 ft. high, 75 x 440 ft., rein.-con. repair shop, 40 ft. high, etc., here. $270,000.

**Ill., Fairfield**—FACTORY—Danbury Mfg. Co., having plans prepared by Shopbell, Fowler & Thole, Evansville, Ind., 1 story factory. $40,000.

**Kan., Osawatomie**—POWER PLANT—See "Waterworks."

**Wash., Seattle**—TERMINAL DEPOT and SERVICE, etc.—Puget Sound Power & Light Co., A. W. Leonard, pres., Stuart Bldg., plans 2 story, rein.-con., brick and stone interurban stage terminal depot $400,000, and 1 story, rein.-con. service building, 35,000 sq.ft. floor space $175,000, also increasing output electricity of Baker River hydro-electric plant from 40,000 to 50,000 hp., etc. $1,708,000.

## Bids Desired

**Mass., Holyoke**—BOILER HOUSE—Apr. 16, by Manager's Office, City Hall brick and steel boiler house. $40,000, McClintock & Craig, 458 Bridge St., Springfield, archts.

**Mass., Medfield**—REPAIR and SERVICE GARAGE—C. C. Pierce taking bids 1 story, 80 x 120 ft., rein.-con. and steel, plain foundation. $45,000. R. M. Stowell, 184 Boylston St., Boston, archt.

**Conn., Bristol** — WAREHOUSE — E. Ingraham Co., 392 North Main St., soon lets contract 5 story, brick, North Maine St. $100,000. M. Unkelbach, 52 Main St., New Britain, archt.

**Pa., Ardmore**—LAUNDRY—St. Marys Laundry, Inc., soon lets contract 1 story and basement, 100 x 146 ft. rein.-con., brick and steel, plain foundation, Aubrey Ave. Private plans.

**Pa., Phila.**—FACTORY—C. E. Wunder, archt., 1520 Locust St., soon lets contract 5 story and basement, 145 x212 ft., rein.-con. and brick, plain foundation 21st. and Allegheny Sts., for Steel-Heddle Mfg. Co., 21st and Allegheny Sts. $500,000.

**O., Canton**—FACTORY—May 1, by Everhard Mfg. Co., 1 story addition, 7th St. SW. $40,000-$50,000.

**Wis., Milwaukee** — FOUNDRY — H. C. Haeuser, archt., 445 Milwaukee St., taking bids brick and steel addition, Oregon St., for Loeffelholz Co., 170 Clinton St. $40,000.

**Wis., Racine**—PRINTING PLANT—F. J. Hoffman, archt., Janes Bldg., taking bids 2 story (ultimately 5 story) and basement, brick and concrete addition, plain foundation, for Times Call Building Corp., Main St. $150,000.

**Wis., Two Rivers**—FACTORY—Apr. 26, by Lockwood, Greene Co., engrs., 400 North Michigan Blvd., Chicago, Ill., 5 story, 30 x 120 ft. and 1 story, 120 x 250 ft., brick and steel, plain foundation, here, for Hamilton Mfg. Co.

**Ia., Mason City** — DAIRY PLANT — See "Contracts Awarded."

**Ark., Eldorado** — FLOUR MILL — See "Contracts Awarded."

**Ont., Toronto** — ROUND HOUSE — Apr. 26, by Terminal Engineer Canadian Natl. Rys., New Union Sta., buildings for engine and car facilities. $300,000. T. T. Irving, New Union Sta., engr.

## Contracts Awarded

**Mass., Dorchester** (Boston P. O.)—REPAIR and SERVICE GARAGE—L. Cavagnaro & Sons, 18 Washington St., 2 story, rein.-con., 18 Washington St., to Marden & Orlando, 333 Washington St., Boston. Archts. est. $75,000.

**Mass., Framingham**—FOUNDRY, etc.—Guerney Heater Mfg. Co., Arlington St., brick and steel foundry and crane way, to J. J. Prindeville, Prindeville Bldg. Archts. est. to exceed $40,000.

**Mass., Hudson** — HEATER — Firestone Tire & Rubber Co., South Main St., 5 story and basement, 80 x 200 ft., brick and rein.-con., to C. A. Bassett, Hudson. Archts. est. $250,000.

**Mass., Watertown** — FACTORY — Amer. Soda Fountain Co., Congress St., Boston, 2 story, 175 x 300 ft., brick and steel addition, Walnut St., to Aberthaw Constr. Co., 80 Federal St., Boston. Archts. est. $250,000. Noted Feb. 25.

**Mass., Westfield** — FACTORY — Foster Machine Co., South Broad St., 3 story, 80 x 235 ft., brick addition, to E. J. Pinney Inc., 220 Dwight St., Springfield. Archts. est. $200,000.

**Mass., West Roxbury** (Boston P. O.) — REPAIR and SERVICE GARAGE—J. J. Kelleher, 179 Summer St., Boston, 1 story, 100 x 110 ft., 5314 Washington St., here, to C. Eklund, Long Pond Terrace, Lowell. Archts. est. $65,000.

**Mass., Worcester** — REPAIR SHOP and GARAGE — Mack Motor Truck Co., 75 North Beacon St., Boston, brick and steel, Shrewsbury St., to J. W. Bishop Co., 109 Foster St. Archts. est. $125,000. Noted Feb. 25.

**R. I., Apponaug** — TEXTILE PLANT — Apponaug Finishing Co., Centerville Rd., 2 story, 82 x 95 ft., brick and steel, to A. W. Marchant, Inc., Hospital Trust Bldg., Providence. Archts. est. $55,000.

**R. I., Bristol**—MILL—Cranston Worsted Co., Thames St., 4 story, 135 x 140 ft., brick, Thames St., to P. J. Flynn, 17 Exchange St., Providence. Archts. est. $225,000. Noted Mar. 25.

**Conn., Hartford** — GARAGE—Nirenstein & Schwartz, 1247 Main St., 1 story, 61 x 154 ft., brick and steel, North Main St., to S. Rogoff, 487 Main St. Archts. est. $40,000.

**N. J., Camden** — SERVICE STATION—F. Seelye & Co., engrs. and archts., 101 Park Ave., New York City, 1 story and basement, 190 x 252 ft., rein.-con., brick and steel, plain foundation, 6th and Jefferson Sts., to Nelson-Pedley Co., Corn Exch. Bldg., Phila., Pa. Noted Feb. 25.

**Pa., Phila.**—SUB-STATION—Phila. Electric Co., 10th and Chestnut Sts., 1 story and basement, 60 x 135 ft., rein.-con., plain foundation, Waverly and Juniper Sts., to H. H. Conway, 5800 Walnut St.

**Pa., Phila.**—MANUFACTURING—Phila. Storage Battery Co., C and Ontario Sts., 3 story and basement, 54 x 250 ft., rein.-con. and brick addition, to Roberts & Roller, 1700 Walnut St. Noted Apr. 1.

**Pa., Phila.** — MILL — E. A. Wightman, archt., Bankers Trust Bldg., 2 story and basement, 100 x 100 ft., rein.-con., brick and steel, plain foundation, A and Courtland Sts., to H. H. Wehmeyer, 509 West Cumberland St., for Concordia Silk Hosiery Co., Fisher and Wyoming Sts. Archts est. $100,000. Noted Mar. 11.

**Pa., Phillipsburg** — PLANT — Ingersoll-Rand Co., 11 Bway., New York City, N. Y., rein.-con., brick and steel addition, to R. T. and C. D. Stewart Contg. Co., Center Sq., Easton. Archts. est. $50,000.

**La., Powderly** — CEMENT PLANT — Phoenix Portland Cement Co., general contract 1 story, 60 x 348 ft. cement plant, steel and tile, to J. F. Holley Constr. Co., 817 19th St., Ensley.

**Tenn., Nashville** — CAN FACTORY — Federal Can Co., 500 Benton Ave., 1 story, steel frame factory, Benton Ave., to Gould Constr. Co., 120 11th Ave. N., approximately $50,000.

**O., Cincinnati**—INDUSTRIAL—Formica Insulation Co., 4614 Spring Grove Ave., 2 story, brick and rein.-con. addition, plain foundation, Spring Grove, to Ferro Concrete Co., 3rd and Elm Sts., $40,000.

**O., Cincinnati** — INDUSTRIAL — Steinkoenig Motor Truck Co., 2311 Harrison Ave., 2 story and basement, 90 x 150 ft., brick and rein.-con., plain foundation, Harrison St., to D. Meinken & Son, 2143 Barnard St., $65,000.

**O., Dayton** — BAKERY — White Baking Co., Indianapolis, Ind., 3 story 50 x 133 ft., and 1 story, 133 x 260 ft., brick and rein.-con., Webster St., here, to H. R. Blagg Co., 1229 East 3rd St., $175,000.

**Ia., Des Moines** — PLANT — J. A. Raymaker, archt. and consult. engr., c/o Wood Bros. Thresher Co. (owner) East 20th and Washington Sts., 304 x 500 ft. manufacturing building with office wing at one end, covering 15,000 sq.ft. floor space, brick and steel, to Truscon Steel Co., 471 Hubbell Bldg. Archts. est. $250,000. Noted Mar. 4.

**Ia., Iowa City**—POWER and HEATING PLANT—State Bd. Educ., W. H. Gemmell, secy., State House, Des Moines, general contract 1 story, 120 x 210 ft., rein.-con., to A. Alexander, 503 Frankel Bldg., Des Moines, $238,000. Noted Mar. 4.

**Ia., Mason City** — DAIRY PLANT — Producers Milk Co., C. J. Stewart, local mgr., will build 1 story, 50 x 100 ft., brick and hollow tile dairy plant, by day labor. $40,000.

**Ark., Eldorado**—FLOUR MILL—Taylor Made Health Flour Co., C. E. Taylor, pres., will build 2 story, 30 x 50 ft., concrete, brick and steel, East Main St., by day labor. Archts. est. $45,000. Private plans.

**Tex., Cleburne**—SHOPS—Gulf, Colorado & Santa Fe Ry. Co., E. F. Merrit, ch. engr., 408 Union Depot Bldg., Galveston, 122 x 155 x 517 ft. boiler house and blacksmith shop, both steel and metal sash, to Anderson Bros., El Paso; plumbing and heating to Donnelly & White, 905 Congress Ave., Austin, about $37,000. Archts. total est. $505,000. Noted Mar. 11.

**Tex., Houston**—TEXTILE MILL—Houston Textile Mill Co., c/o W. A. Mitchell, supt., 2 story callon mill addition, rein.-con. and brick, also 1 story, rein.-con. addition to mill building, to G. C. Street, Constr. Co., National and Center Sts., $100,000.

**Que., Three Rivers**—PAPER MILL—St. Lawrence Paper Co. Ltd., brick and steel addition, St. Lawrence St., to E. G. Cape & Co., 10 Cathcart St., Montreal. Archts. est. $2,000,000. Noted Apr. 8.

# Buildings—Educational, Religious

## Proposed Work

**Me., Bangor**—SCHOOL—St. Johns Roman Catholic Church having sketches made by O'Connell & Shaw, 134 Newbury St., Boston, 2 or more story, brick and stone, James St. $150,000.

**Mass., Arlington** (br. Boston) — HIGH SCHOOL — Town, School Com., plans Junior High School, 2 story and basement, brick and stone, Tufts St. To exceed $150,000. Engineer and architect not selected.

**Mass., Boston** — LIBRARY — City, Dept. Pub. Buildings, plans library, Ward 2. $150,000 or more. Engineer and architect not selected.

**Mass., Boston**—SCHOOL—Cathedral of Holy Cross, W. B. Finigan, pastor, having plans prepared by E. T. P. Graham, 3 story and basement, 120 x 150 ft., brick, Malden St., South End Dist. $200,000.

**Mass., Boston**—SCHOOL—City, Schoolhouse Dept., having sketches made by J. Driscoll, 6 Beacon St., 6 story and basement, 60 x 115 ft., brick and limestone school. $1,500,000.

**Mass., Everett** (Boston P. O.)—SCHOOL—City of Boston, Schoolhouse Dept., plans 2 story and basement, brick school, here. $185,000 appropriated. Engineer and architect not selected.

**Mass., Fitchburg** — SCHOOL — St. Bernards Roman Catholic Parish J. J. Donnelly, pastor, having preliminary plans prepared by J. W. Donohue 476 Main St., Springfield, brick and steel, Summer St. $150,000.

**Mass., Medford** (Br. Boston)—SCHOOL—City, C. H. Lowell, chn. com., 32 Irving St., plans 2 story and basement, brick and stone, Ash and Webster Sts. $300,000. Engineer and architect not selected.

**Mass., Rockland**—SCHOOL—Town, School Com., C. Easton, chn., having sketches made by J. D. LeLand & Co., 41 Mt. Vernon St., Boston, 2 story and basement, brick and stone, James St. $150,000.

**Mass., Waltham** (Ind. br. Boston)—CHURCH — Lakeview Union Evangelist Church, c/o O. A. Thayer, archt., 89 Franklin St., Boston, having sketches made 1 story and basement, granite and stone, Lakeview St., here. $150,000-$200,000.

**Mass., Waltham** (Ind. br. Boston) — SCHOOL—City, H. E. Beal, mayor, City Hall, soon lets contract 3 story and basement, brick and steel, Parmenter Rd. $400,000. Hutchins & French, 11 Beacon St., Boston, archts.

**Mass., Worcester**—DORMITORY—Polytechnic Institute, having preliminary plans prepared by W. C. Appleton, 53 State St., Boston, brick dormitory. $240,000.

**Conn., New Haven**—GYMNASIUM, etc.—Yale University having plans prepared by J. R. Pope, 542 5th Ave., New York City, gymnasium, York St. opposite Wall St.; by C. C. Zantzinger, Otis Bldg., Phila., Pa., auditorium, West Side Hewitt Quadrangle; and by James Gamble Rogers, 367 Lexington Ave., New York City, law school, Wall, York, Grove and High Sts.

**N. Y., Bayport**—SCHOOL—Bd. Educ. having plans prepared by W. Potter, engr. and archt., 22 East 17th St., New York City, brick, steel and stone, plain foundation. $250,000.

**N. Y., Brooklyn** — CHURCH — St. John the Evangelist Roman Catholic Church, c/o McGill & Hamlin, engr. and archt., 415 Lexington Ave., New York City, soon takes bids brick, steel and stone, plain foundation, 21st St., here. $200,000.

**N. Y., Brooklyn**—LABORATORY—Pratt Institute, 215 Ryerson St., plans brick, steel and stone, plain foundation, Steuben St. $300,000.

**N. Y., Hollis** (br. Jamaica)—CHURCH—Hollis Presbyterian Church, F. T. Steel, pastor, having plans prepared by Meyer &

Buildings—Educational, Religious (Cont.)

Mathew, engrs. and archts., 316 Flatbush Ave., Brooklyn, brick, steel and stone, plain foundation, 104th Ave. and 190th St. $150,000.

**N. Y., Newburgh**—HIGH SCHOOL—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $400,000. A. F. Gilbert, 358 5th Ave., New York City, engr. and archt. Noted Feb. 11.

**N. Y., New York** — CHEMISTRY — New York University, University Heights, soon takes bids brick, steel and stone, plain foundation, campus. $150,000. A. N. Allen, 2 West 45th St., engr. and archt.

**N. Y., New York** — HOME — Hebrew Childrens Home of Temporary Shelter, 30 West 120th St., plans brick, steel and stone, plain foundation, 205th St. and Grand Concourse. $250,000. Engineer and architect not selected.

**N. Y., New York**—SYNAGOGUE—Mount Eden Center, Inc., c/o A. J. Simberg, engr. and archt., 1133 Bway., having plans prepared 3 story, brick, steel and stone, plain foundation, Morris Ave. $200,000.

**N. Y., St. George**—SCHOOL—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, engr. and archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 45, brick, steel and stone, plain foundation, Morrison Ave., here. $300,000.

**N. J., Bernardsville**—HIGH SCHOOL—Bd. Educ. soon takes bids brick, steel and stone, plain foundation. $200,000. Rasmussen & Wayland, 36 West 47th St., New York City, engr. and archt. Noted Feb. 25.

**Pa., Tyrone**—CHURCH—First Methodist Church, c/o J. B. Nason, chn. building com., 1207 Logan Ave., plans 2 story and basement, 80 x 100 ft. church, Logan Ave. $150,000.

**Fla., Port Tampa** — SCHOOL — Voted $150,000 bonds, school.

**O., Cleveland**—SCHOOLS—Bd. Educ., F. G. Hogen, dir., had plans prepared by G. M. Hopkinson, Auditorium Garage Bldg., three 2 story and basement, 120 x 220 ft., rein.-con., brick and steel schools, one at West 54th St. and Ira Ave., one Southeast section, and other East 185th St. and Muokoka Ave. $650,000 each.

**Ill., Alton**—HIGH SCHOOL—Bd. Educ., H. H. Hewitt, secy., 6th and Langan Sts., takes bids about May 10, 3 and 4 story, rein.-con., brick and stone, College St. $500,000. L. Pfeiffenbergers Sons, 102 West 3rd St., Alton, and Royer, Danely & Smith, Flat Iron Bldg., Urbana, archts. Noted Dec. 31.

**Calif., Modesto**—HIGH SCHOOL—Defeated $650,000 bonds, fireproof high school, for Modesto School Dist. Noted Feb. 25.

## Bids Desired

**Me., Orono** — MECHANICAL and ENGINEERING — University of Maine, F. H. Strickland, pres. of Bd., taking bids 2 story and basement, brick and limestone mechanical and engineering building. To exceed $150,000. Strickland, Blodgett & Law, 20 Newbury St., Boston, archts. Noted Aug. 6.

**Mass., Amesbury**—SCHOOL—St. Josephs Roman Catholic Church taking bids 2 story and basement, brick and stone, plain foundation, 13 Sparhawk St. $150,000. O'Connell & Shaw, 134 Newbury St., Boston, archt.

**Mass., Wellesley** — CHURCH — Christian Scientist Church, c/o E. W. Deering, archt., 10 Deaconess Rd., Brookline, taking bids 1 story and basement, stone and stucco, plain foundation, Wellesley Hills. $150,000.

**Conn., New Canaan**—HIGH SCHOOL—J. N. Pierson & Sons, archts., 200 Jefferson St., Perth Amboy, N. J., taking bids brick, 600 seating capacity, here, for School Com., S. Mead, chn. $150,000. Noted Mar. 18.

**Conn., Wallingford**—ADMINISTRATION—Apr. 16, by Gaylord Sanatorium, D. R. Lyman, doctor, 3 story, 45 x 126 ft., stone and tile administration building. $150,000. J. F. Kelley, 39 Center St., New Haven, archt. Noted Feb. 4.

**N. Y., Corning**—HIGH SCHOOL—May 3 (extended date), by Bd. Educ., brick, steel and stone, plain foundation, Kingsburg Ave. $350,000. Palmer Rogers, 101 Park Ave., New York City, engr. and archt. Noted Apr. 8.

**N. J., Union**—SCHOOL—Apr. 26, by Bd. Educ. Union Twp., at Union High School, Morris Ave. and Caldwell Pl., 2 story and basement, 60 x 120 ft., Burnett Ave. F. A. Elsasser, 845 Broad St., Newark, archt.

**Pa., Jeffersonville**—SCHOOL—Apr. 16, by West Norristown School Dist., 2 story and basement, 115 x 144 ft., brick and steel, plain foundation. $200,000. G. E. Brumbaugh, Real Estate Trust Bldg., Phila., archt.

**Pa., Phila.**—SCHOOL—Apr. 20, by J. T. Windrim, archt., Commonwealth Bldg., Graduate School of Medicine, 10 story, basement and parapet, 54 x 60 ft., and 64 x 135 ft., rein.-con., brick and steel, plain foundation, 19th and Lombard Sts., for University of Pennsylvania, 34th and Spruce Sts. $1,500,000.

**Pa., Wynnewood**—SCHOOL—Apr. 19, by School Bd. Lower Merion Twp., 2 story and basement, 91 x 174 ft., and 42 x 188 ft., brick and rein.-con., plain foundation. Argle Rd. $175000. R. E. White Penna Bldg., Phila., archt.

**Md., Baltimore** — SCHOOL — Apr. 21, by Bd. Awards, 1 story and basement 73 x 239 ft., brick and steel, plain foundation. Arlington St. at West and Alto Aves., for Mayor and City Council. $325,000. R. L. Harris, 516 North Charles St., archt.

**O., Marysville**—DORMITORY and ASSEMBLY HALL—May 5, by J. E. Harper, dir. Dept. Pub. Welfare, Oak and 9th Sts., Columbus, 50 x 200 ft., brick and concrete dormitory, $120,000, and 40 x 50 ft., brick and steel assembly hall, $65,000, for Ohio Reformatory for Women, here. H. H. Briggs, Ohio-Hartman Bldg., Columbus, archt. Noted Mar. 4.

**Mo., Cape Girardeau**—SCHOOLS—Apr. 19, by Bd. Educ., L. L. Bowman, pres., two 2 story, 46 x 70 ft. wings for May Green School, $45,000; 2 story and basement, 80 x 164 ft. addition to Washington Grade School, $90,000; and 2 story and basement, 122 x 185 ft. school, Louisiana and West Thamis Sts. $145,000, all concrete, brick and stone. Noted Mar. 4.

**Mo., Kansas City** — HIGH SCHOOL — Apr. 20, by Bd. Educ. (2nd unit) South West High School, 2 story, rein.-con., brick and cut stone. $350,000. C. A. Smith, 800 Finance Bldg., archt. Noted Apr. 8.

**Ark., Fayetteville**—COLLEGE—Apr. 28, at office President University of Arkansas, for Engineering Building, 88 x 216 ft. and Agricultural Building, 58 x 256 ft., both 3 story, concrete, brick and terra cotta, on campus. Jamieson & Spearl, Arcade Bldg., St. Louis, Mo., and H. R. Burke, Southern Trust Bldg., Little Rock, archts. Noted Apr. 8.

**Calif., Los Angeles**—SCHOOL—Apr. 21, by Bd. Pub. Wks., Riis School, 1 and 2 story, brick, 69th St. near Main St. $250,000. Dodd & Richards, Brack-Shops Bldg., archts. Noted Apr. 8.

## Bids Received

**N. Y., Hollis** (mail Jamaica)—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, Apr. 8, general contract P. S. 118, Wildey Ave., here, for Bd. Educ., 500 Park Ave., New York City, from G. F. Driscoll Co., 548 Union Ave., Brooklyn, $289,387; heating, from H. Starkman & Bros., 333 East 81st St., New York City, $35,160. Noted Apr. 1.

**N. Y., Mariners Harbor** (Ind. sta. Staten Island)—SCHOOL—W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract P. S. 44, Maple Parkway, here, for Bd. Educ., 500 Park Ave., New York City, from Carleton Co., Inc., 151 West 42nd St., New York City, $624,333; plumbing from J. E. Kahn, 244 West 20th St., New York City, $27,390; and heating, from D. J. Rice, Inc., 606 1st Ave., New York City, $68,817. Noted Apr. 1.

**Pa., Phila.**—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., Apr. 6, 3 story and basement, 36 x 159 ft., rein.-con., brick and steel, 17th and Folsom Sts., general contract, from McCloskey Co., 1620 Thompson St., $329,000; and heating, from McClintock Co., 1937 Ridge Ave., $29,495. Noted Apr. 1.

**Pa., Phila.**—SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., 3 story and basement, 141 x 212 ft., rein.-con. and brick, plain foundation, Lyons Ave. and Brunswick St., general contract, from Nelson Pedley Co., Corn Exch. Bldg., $463,452; heating, from W. H. Ambrose & Son, Levington and Umbria Sts., $43,980. Noted Apr. 1.

## Contracts Awarded

**N. Y., Buffalo**—CHURCH and SCHOOL—St. Rose of Lima Roman Catholic Church, 42 Carmel Rd., 2 story and basement, rein.-con. and brick, Carmel Rd., to G. Kemff & Sons, 821 Virginia St., to exceed $300,000. Noted Mar. 4.

**N. Y., New York**—NURSES HOME—Building Com. Presbyterian Hospital, 17 East 42nd St., 14 story, brick, steel and stone, plain foundation, 165th St. and Fort Washington Ave., to Marc Eidlitz, 11 East 42nd St. Archts. est. $1,500,000. Noted Dec. 17.

**N. Y., Riverdale** (mail New York)—CHURCH—Presbyterian Church, 1 and 2 story, brick, to G. Olson, 5626 Post Rd. Archts. est. to exceed $150,000.

**N. J., Maplewood** (br. South Orange)—HIGH SCHOOL—Bd. Educ., Dist. South Orange and Maplewood, New High School, general contract 3 story and part basement, rein.-con., brick and steel, here, to Bowe & Millimet, 386 Bergenline Ave., Union Hill, $1,216,000; heating and ventilating, to J. H. Melles, 832 Springfield Ave., $124,780. Noted Mar. 11.

**O., Dayton**—SCHOOL—C. J. Schmidt, clk.-treas. Bd. Educ., for Harrison School, 2 story and basement, rein.-con. and brick, plain foundation, West Side, to Green & Sawyer, Piqua and Lima, $322,000. Noted Feb. 25.

**Ill., Chicago** — HIGH SCHOOL — Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., general contract Roosevelt Senior High School, 3 story and basement, 300 x 650 ft., rein.-con., brick and stone, Kimball and Wilson Aves., to Paschen Bros., 111 West Washington St. Archts. est. $4,000,000.

**Ill., Chicago**—INSTITUTE—E. A. Grunsfeld, Jr., and E. H. Klaber, archts., 421 North Michigan Ave., masonry, concrete and carpentry contract 3 story and basement, 147 x 188 ft., rein.-con., brick and steel, Douglas Blvd. and St. Louis Ave., to Broline-Nolan Co., 5 North La Salle St., for Jewish Peoples Institute, 1258 Taylor St. Noted Nov. 19.

# Federal Government Work

## Bids Desired

**Pa., Phila.**—Paving—Spec. 5207—Apr. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., concrete paving, here.

**D. C., Wash.**—Gate Chambers—May 11, by U. S. Engineer Office, Navy Building, cross-connection gate chambers and repairs to old conduit for water supply project, for Dist. of Columbia; adv. E. N.-R. Apr. 15.

**D. C., Wash.** — Pipe Line — May 14, by U. S. Engineer Office, Navy Dept. Bldg., pipe line from old filtered water reservoir for water supply project for Dist. of Columbia; adv. E. N.-R. Apr. 15.

**Va., Norfolk**—Fenders—Apr. 22, by G. F. Blair, dist. dir. United State Shipping Board Emergency Fleet Corp., approximately 6,900 lin.ft. fender system.

**Ga., Augusta**—Recreation—May 18, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., recreation building at U. S. Veterans Hospital, 62, here; adv. E. N.-R. Apr. 15.

**Arizona**—Road—Apr. 26, by C. H. Sweetser, dist. engr. Bureau Pub. Rds., Phoenix, grading, etc., approximately 2.916 mi. Cherry Creek Hill Sect. Forest Highway Route 12, Natl. Forest Rd. Project, Tonto Natl. Forest, Gila Co.

**Ore., Astoria** — Addition — Apr. 29, by Treas. Dept. at office Supervising Archt., Wash., D. C., addition to Quarantine Station, here.

**C. Z., Panama**—Masts—Spec. 5191—Apr. 23, by Bureau Yards & Docks, Navy Dept., Wash., D. C., guyed steel pipe masts at Cape Mala, here. Former bids rejected. Noted Mar. 11.

## Bids Received

**N. Y., Staten Island**—Ejector Station, etc.—Construction Quartermasters Office, 39 Whitehall St., New York City, Mar. 25, sewage ejector station and discharge sewer line at Miller Field, here, from J. R. Proctor, 6 West 9th St., Bayonne, N. J., $56,707. Noted Mar. 11.

**Iowa**—Earthwork—Secretary Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., Apr. 6, about 180,000 cu.yd. earthwork (by hydraulic method) in Iowa River-Flint Creek Dist., from La Crosse Dredging Co., 405 Plymouth Bldg., Minneapolis, Minn., $0.1875 per cu.yd. Noted Mar. 18.

**Ia., Cedar Rapids**—Vestibule, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., extending mailing vestibule and driveway at U. S. Post Office, here, from A. J. Smith & Sons, 234 Granby St., $3,490. Noted Apr. 1.

**Tex., Abilene**—Addition—Treas. Dept. at office Supervising Archt., Wash., D. C., Apr. 6, swing room, etc. at U. S. Post Office, here, from C. Weitz Son, 713 Mulberry St., Des Moines, Ia., $1,950. Noted Mar. 25.

Federal Government Work (Continued)

**Colo., Denver**—Gates—Bureau Reclamation, Dept. Interior, E. Mead, comr., high pressure gates for McKay and Guernsey Dams, North Platte Project, Nebraska-Wyoming, from Baker Iron Wks., 912 North Bway., Los Angeles, Calif., $26,315. Noted Mar. 4.

### Contracts Awarded

**Mass., Lynn**—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to S. Pasquale, 8 Bartlett Pl., Boston, $14,950. Noted Apr. 8.

**Pa., McKeesport** — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to Landes Constr. Co., P. O. Box 202, Charleston, W. Va., $5,400. Noted Apr. 8.

**La., New Orleans** — Discharge Pipe — U. S. Engineer Office, 329 Custom House, shore discharge pipe, f.o.b. New Orleans, to Alex Bussel Iron Wks., New Orleans, $2,299.

**Ill., Great Lakes** (br. Waukegan) — Ash Handling System — Spec. 5184 — Bureau Yards & Docks, Navy Dept., Wash., D. C., ash handling equipment, for Naval Training Station, here, to United Conveyor Corp., 37 West Van Buren St., Chicago, $5,066 (120 days). Noted Apr. 1.

**Wis., Milwaukee** — Cement — U. S. Engineer's Office, 20,300 bbl. Portland cement, to W. H. Pipkron Co., 712 Park St., $41,920. Noted Mar. 25.

**Wis., Milwaukee**—Steel Bars—U. S. Engineer's Office, 908,630 lb. steel reinforcing bars, to Calumet Steel Co., 208 La Salle St., Chicago, Ill., $18,056.

**Mo., St. Louis**—Barges—U. S. Engineers Office, 428 Customhouse, 20 small steel barges used by St. Louis Div., U. S. Engineering Corps., to Dravo Constr. Co., Neville Island, Pittsburgh, Pa., $49,600. Noted Apr. 8.

**Calif., Eureka**—Radio Tower—Spec. 5161—Bureau Yards & Docks, Navy Dept., Wash., D. C., 125 ft. radio tower, to Eureka Boiler Wks., foot of T St., $2,850 (120 days). Noted Mar. 25.

**Calif., San Diego**—Sewer—Spec. 5189—Bureau Yards & Docks, Navy Dept., Wash., D. C., outfall sewer at Destroyer base, here, to H. H. Peterson, 356 Spreckles Bldg., $4,114. Noted Mar. 25.

**T. H., Hilo**—Breakwater—U. S. Engineer Office, Honolulu, constructing breakwater, here, to Hawaiian Dredging Co. Ltd., Honolulu, $1,328,640. Noted Jan. 21.

## Unclassified

### Proposed Work

**Transmission Line — North Carolina** — Carolina Power & Light Co., Raleigh, plans 35 or 40 mi. high tension line from Zebulon to Rocky Mount. A. W. Thompson, Raleigh, engr.

**Stadium — Greensboro, N. C.** — Stadium Com., c/o E. B. Jeffreys, mayor, take bids about Apr. 15, constructing concrete stadium, grading and tile draining of grounds, etc. $100,000. L. White, Greensboro, archt.

**Playground—Algiers** (New Orleans P. O.) **La.**—City of New Orleans, A. J. Keefe, City Hall, plans Behrman Memorial Playground, on west bank of Mississippi, here. $100,000.

**Street Lighting System—Evanston, Ill.**—Voted $925,000 bonds, street lighting system, incl. 3,100 lamp posts of 3 grades intensity, 2,276 lamps 250 cp. each, 489 lamps 400 cp. each, and 335 lamps 600 cp. each. A. W. Hanford, comr. Pub. Wks.

**Subway—Highland, Ill.**—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, and Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., A. C. Shand, ch. engr., plan subway to carry National Trail Rd. under railroad tracks, east of here. $65,000.

**Transmission Line—Springfield, Ill.**—Illinois Power & Light Co., 400 Esat Monroe St., plans revamping distribution lines in northwestern and western sections of city. $75,000. A. D. Mackie, genl. mgr.

**Docks, etc.—Sioux City, Ia.**—Sioux City Stock Yards Co., Exch. Bldg., having plans prepared 4 concrete unloading and 1 concrete loading docks, 240 new small and 60 large pens, 4 new scales and concrete road (fenced) around yards. $225,000. C. E. Apple, ch. engr.

**Transmission Line—Missouri**—Town of Argyle making plans 30 mi. 13,200 volt transmission line to supply towns of Meta, Koeltztown, Argyle, Freeburg and Westphalia. $85,000. W. S. Merkle, 414 North 12th St., St. Louis, engr.

**Transmission Line—Missouri**—Town of Lutesville made preliimnary plans and surveys 32 mi. transmission line to supply towns of Delta, Altenville, Whitewater, Laflin, Leopold, Lutesville, Marble Hill, Glen Allen and Marquand. $150,000. W. S. Merkle, 414 North 12th St., St. Louis, engr.

**Park Improvements — St. Louis, Mo.**—Park Dept., Municipal Courts Bldg., F. W. Pape, comr., making preliminary plans installing portable bleachers, $7,500; grading and landscaping, $7,500; developing Francis Park $40,000, Manchester Park $20,000, and Christy Park $40,000; constructing roads and repairing bridges, $50,000; repairing buildings, $25,000; addition to greenhouses $30,000, restaurant $50,000 and refuse burning plant $15,000 in Forest Park; band stands $25,000; and extending water system $15,000.

**Tourist Camp—San Antonio, Tex.**—H. L. McCune, El Paso, making preliminary plans Camp Grande, brick, concrete and stucco, here. Private plans.

**Stage Terminal—Oakland, Calif.**—Calif. Transit Co., 36 5th St., San Francisco, having plans, prepared by Swartz & Ryland, Rowell Bldg., Fresno, 1 story, fireproof construction. $150,000.

**Park Extension, etc. — San Francisco, Calif.** — Plans to appropriate $3,000,000 funds, extending Golden Gate Park Panhandle; and $10,000 funds, extending boardwalk on Ocean Beach front. M. M. O'Shaughnessy, city engr.

**Gas Holder—Stockton, Calif.**—Western States Gas & Electric Co., Channel and Sutter Sts., plans 3,000,000 cu. ft. capacity gas holder, 185 ft. diam., and 150 ft. high.

**Power Line — Ontario** — Hydro Electric Power Comn. of Ontario, 190 University Ave., Toronto, plans extending 30 mi. power lines from Vittoria to St. Williams, Port Royal, Port Rowan, Clear Creek and Erieview. $100,000. F. A. Gaby, 190 University Ave., Toronto, engr.

**Gas Mains — Sault Ste. Marie, Ont.** — Great Northern Gas Co., 497 Queen St. E., plans gas mains, wrought iron and c.i. pipe, in various streets, and extending distribution system. $30,000.

### Bids Desired

**Arena — Boston, Mass.** — New Boston Arena, H. G. Lapham, 238 St. Botolf St., taking bids 200 x 220 ft., concrete and steel arena addition. $160,000. Funk & Wilcox, 26 Pemberton Sq., archts.

**Culverts—New Rochelle, N. Y.**—May 3, by Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, grading and culverts, etc. for approach road from Pelham Rd. to Glen Island Park, here. J. Downer, ch. engr.; adv. E. N.-R. Apr. 15.

**Scale Pit, etc.—New York, N. Y.**—Apr. 23, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., constructing scale pit and foundations for coal pockets, in Lenox Ave. and 148th St. Yard.

**Pier—Phila., Pa.**—Apr. 21, by City, c/o G. F. Sproule, city dir., Municipal Pier 4, South Wharves foot of Chestnut St., substructure Pier 80, 1,000 ft. long and 280 ft. wide, incl. piles, decking, concrete bulkheads, dredging, etc., Jackson St.

**Grain Silos—Milwaukee, Wis.**—Chicago, Milwaukee & St. Paul R.R. Co., Union Sta., Chicago, Ill., C. F. Loweth, ch. engr., taking bids rein.-con., brick and steel silo, 6th Ave., here. $500,000.

**Wharves and Piers—Galveston, Tex.**—See "Contracts Awarded."

**Transmission Line — Arkansas** — See "Contracts Awarded."

**Swimming Pool—Beverly Hills, Calif.**—See "Buildings—Commercial."

**Subway—Toronto, Ont.**—Apr. 21, by J. R. W. Ambrose, ch. engr. Toronto Terminals Ry. Co., New Union Sta., concrete and steel subways at Bay and York Sts., also rein.-con. concourse in front of New Union Station. $2,500,000.

### Bids Received

**Fieldhouse, etc.—New York, N. Y.**—Park Bd., F. D. Gallatin, pres., Arsenal Bldg., Central Park, 64th St. and 5th Ave., Apr. 8, field house and comfort station, in Hamilton Pl. Park, from J. Riley, 118 West 64th St., $16,200. Noted Apr. 1.

**Retaining Wall—Cleveland, O.**—City, W. R. Hopkins, city mgr., 3,200 ft. retaining wall along Doan Brook in Rockefeller Park, from P. H. DeSantis & Co., 8019 Hough Ave., $52,564 and $67,009. Noted Mar. 25.

**Grade Separation — Detroit, Mich.** — Wayne Co. Rd. Comn., Real Estate Exch. Bldg., grade separation to carry highway beneath double track railway at South Dearborn Rd. and Pennsylvania R.R. tracks, 105,000 cu.yd. excav., 16,370 sq.yd. concrete paving, 31,330 sq.ft. concrete sidewalk, etc., from H. E. Culbertson Co., Hanna Bldg., Cleveland, O., $178,454.

**Culverts—Holton, Kan.**—Clerk Jackson Co., culverts on Federal Aid Project 291-A, B, C, D and E, from Grundeman Bros., Netawaka, $33,337. Noted Mar. 4 under "Streets and Roads."

### Contracts Awarded

**Swimming Pool — South Lawrence** (mail Lawrence), **Mass.** — City of Lawrence, swimming pool, here, to W. J. Delaney, 283 Essex St., Lawrence, $53,522. Noted Apr. 8.

**Stable, etc.—Brooklyn, N. Y.**—Armory Bd., J. B. Trainer, secy., City Hall, additional stables and storage accommodation at armory of 101st Cavalry, 1579 Bedford Ave., to Eastern Constr. Co., 110 West 40th St., New York City, $95,900. Noted Apr. 8.

**Grade Separation — Detroit, Mich.** — Wayne Co. Rd. Comn., Real Estate Exch. Bldg., grade separation incl. depressing highway under railroad tracks at South Dearborn Rd. and Penn. R.R., 105,000 cu.yd. excav., 16,370 sq.yd. concrete paving, 31,330 lin.ft. concrete sidewalk, etc., to H. E. Culbertson Co., Hanna Bldg., Cleveland, $178,455.

**Culverts — Larned, Kan.** — See "Streets and Roads."

**Coaling Station—Archie, Mo.**—See "Railways under Missouri."

**Coaling Station—Centerview, Mo.**—See "Railways under Missouri."

**Swimming Pool — Alpine, Tex.** — C. Edwards, 30 x 150 ft. rein.-con. swimming pool, to H. Weyerts, Alpine, approximately $28,000.

**Stadium—Dallas Tex.**—Southern Methodist University c/o C. C. Selecmas, pres., and L. W. Bailey, bus. mgr., 132 x 260 ft. stadium, 50 ft. high, brick and rein.-con. Abilene Rd. and Mockingbird Lane, to Walson Co., 1927 South Akard St. $120,000. Noted Jan. 21.

**Wharves and Piers—Galveston, Tex.**—Galveston Wharf Co., E. M. Gorsrau, mgr., 2324 Ave. B., will build rein.-con. and steel wharves and piers, by day labor. $1,500,000. R. M. Sias, 23-24 Ave. B, engr.

**Foundation — Los Angeles, Calif.** — Apr. 19, by Bd. Pub. Wks., foundation for supporting structural steel frame work for new city hall, North Main St. between Temple and 1st Sts. Contract for steel, recently awarded to McClintic-Marshall Co., 426 South Spring St. Noted Mar. 12.

**Steel Tanks—Toronto, Ont.**—Dominion Tar & Chemical Co., foot of Logan Ave., two 250,000 Imperial gal. steel tanks, piling and concrete foundations, to J. E. Russell Constr. Co., Reford Bldg.; steel tanks, to Toronto Iron Wks., foot of Cherry St. Engrs. est. $40,000.

## Materials

### Bids Desired

**Sewer Bricks—Boston, Mass.**—Apr. 30, by Supply Dept., 260,000 sewer bricks. F. L. Brier, supt.

**Lumber, etc.—New York, N. Y.**—Apr. 23, by P. J. Dooling, comr. Purchase, Municipal Bldg., lumber and piles; also portable air compressor on 1 ton Ford chassis to Bureau Water Supply, Gas & Electricity.

**Pipe, etc.—Lewistown, Pa.**—Apr. 22, by Boro Council, H. E. Fetterolf, secy., 466 ft. 10 in., 1,500 ft. 8 in., and 4,200 ft. 6 in. terra cotta pipe, 15,000 red brick (wire cut) for manholes, also one hundred each 8 x 6 Y branches, and 6¼ in. curves, etc.

**Gravel and Sand—Minneapolis, Minn.**—Apr. 19, by F. S. Gram, city purch. agt., 3,500 cu.yd. washed concrete sand and 7,000 cu.yd. crushed gravel. N. W. Elsberg, city engr.

**Road Oil—St. Paul, Minn.**—Apr. 19, by G. J. Reis, aud. Ramsey Co., 300,000 gal. road oil. P. N. Coates, 900 Guardian Life Bldg., engr.

### Bids Received

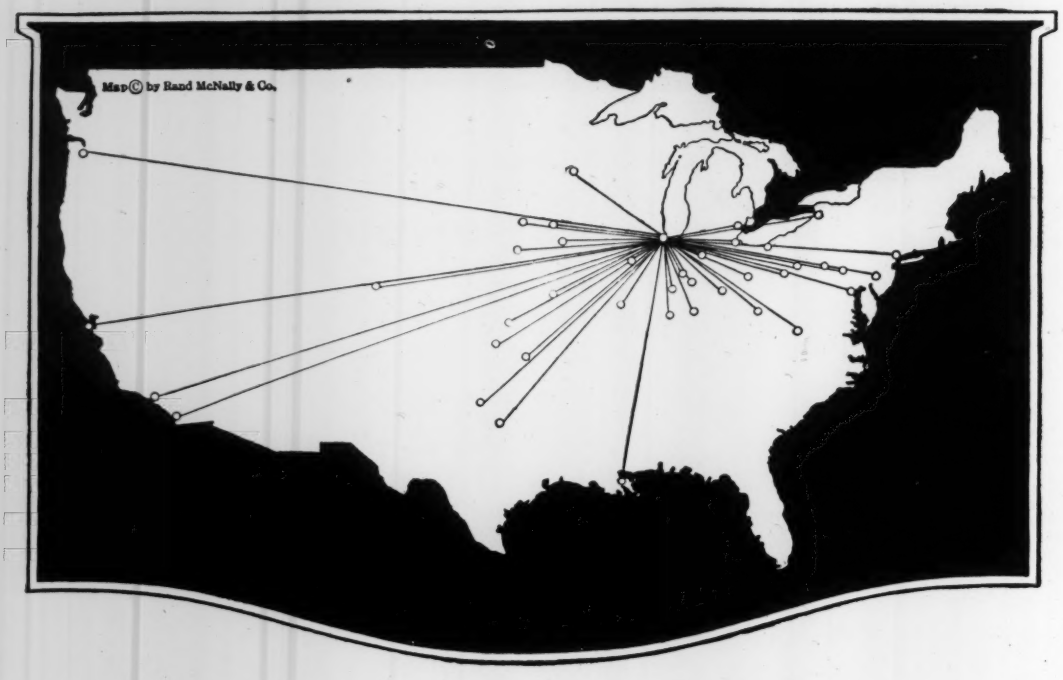
**Tar—Cincinnati, O.**—Hamilton Co., Court House, 300,000 gal. Grade 1 tar to Road Repair Dept., from Barrett Mfg. Co., 517 Carr St., $32,250. Engrs. est. $33,000.

### Contracts Awarded

**Pipe—Boston, Mass.**—Dept. Supplies, City Hall Annex, 100,000 lb. 4 in. c.i. pipe, 6 ft. lengths, to U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., Pa. $4,300.

**Trap Rock—Minneapolis, Minn.**—F. S. Gram, city purch. agt., 4,500 cu.yd. trap rock, to Trap Rock Co., Bway. and K St., $1.75 per ton for 2.5 in., and $2.25 for ⅝ in. Noted Mar. 11.

**See proposal advertising on page 128, Advertising Section**




# BUDA FOLLOWS THROUGH

**The Buda Company's interest in Buda engines does not end with shipment.**

**Throughout the United States, we have established Service Stations to aid in insuring the maximum service that is built into the product.**

**Among the advantages thus brought to the Buda user, is prompt and intelligent service on genuine Buda parts.**

THE BUDA COMPANY, HARVEY, CHICAGO SUBURB ILLINOIS
ESTABLISHED 1881

***Buy only genuine Buda Parts for your Buda engine***

BUDA
*The*
ENGINE